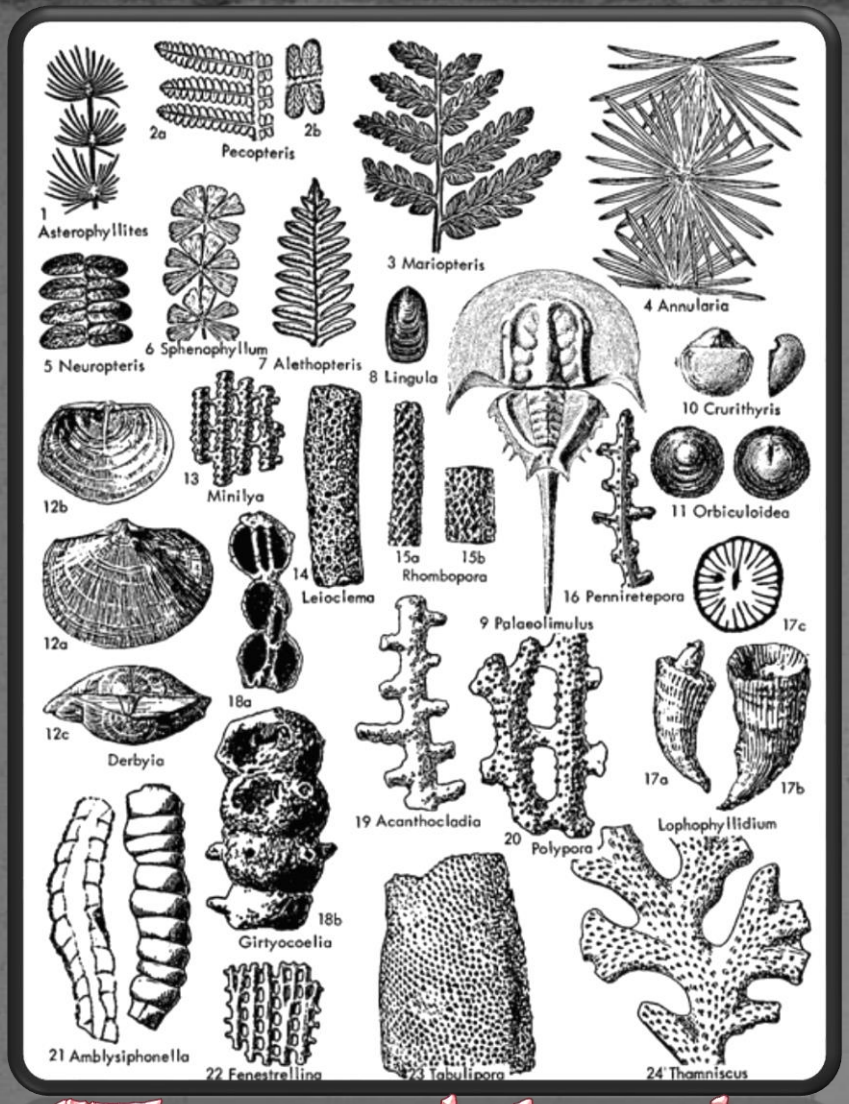


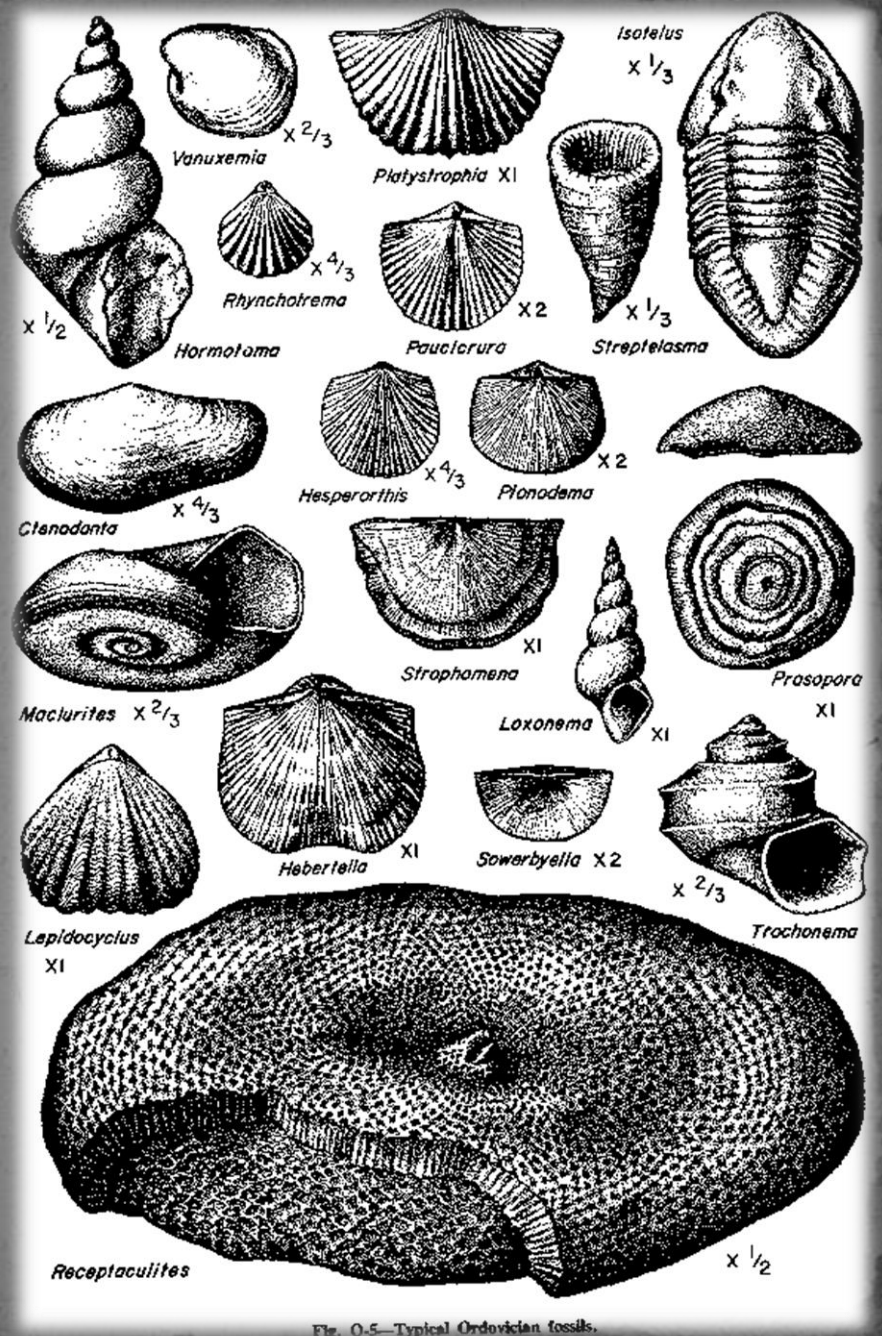


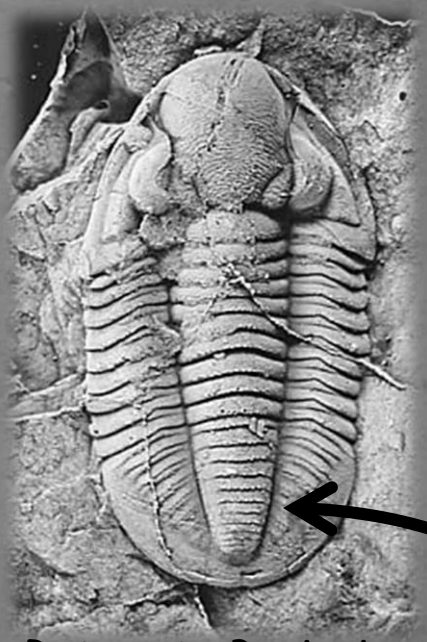
Fig. O-5—Typical Ordovician fossils.

Fossil Lab

Click on your favorite fossil to ENTER

Fossil Lab Index

Click on any station



Return to Beginning

Station 1

Return to Index

Next Station

Fossils are evidence of living things from the past.

1. Is this Petrified Wood a fossil? Yes / No

2. Petrified Wood is made of _____ .
   Wood / Mineral
   (Choose one)

Click photo to enlarge or look at sample 1 in the lab

Station 2

Return to Index

Next Station

A **Mold** is a hollow opening left as a buried animal or plant decays.

A **Cast** is made of mineral that has filled in the mold. The cast has the identical shape of the original plant or animal.

3. Which sample is the mold? A or B

4. Which sample is the cast? A or B

Click photo to enlarge or look at samples 2 and 3 in the lab

Station 3

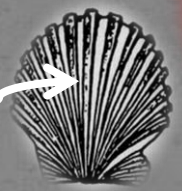
Return to Index

Next Station

Index fossils are fossils of plants or animals that lived only at a certain time in the geologic past. By finding these in rock, we automatically know how old the rock is.

5. This fossil is probably _____ (give its name).

Click here to find a CLUE



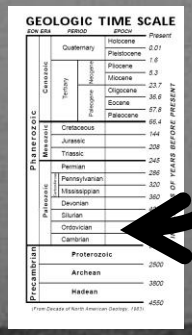
Click to enlarge

Sample 4

Click photo to enlarge or look at sample 4 in the lab

6. It lived in the Silurian Period, therefore the rock it was found in was about _____ million years old.

7. It lived in the _____ ERA.



click here for Geologic Time Scale

Station 4

Return to Index

Next Station

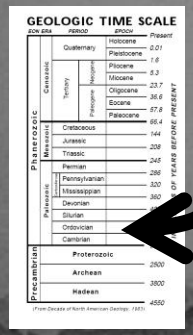
This fossil replica was molded from an actual specimen.

8. What is the name of this "fossil" specimen?

9. It lived during the _____ period.
(about 100 Million years ago)

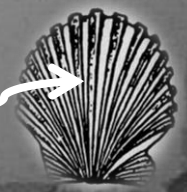
10. This is a _____ fossil.
(real/fake)

Click photo to enlarge or look at sample 5 in the lab



click here for Geologic Time Scale

Click here to show selection chart



Station 5

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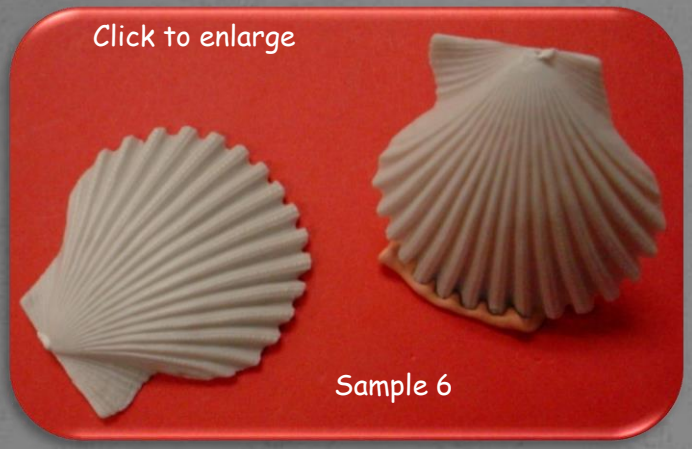
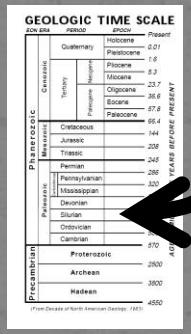
Next Station

Examine this fossil replica:



Click photo to enlarge or look at sample 6 in the lab



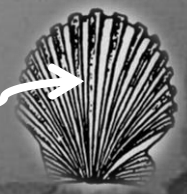
click here for Geologic Time Scale

11. The name of this "fossil" is _____ _____.

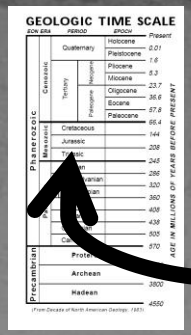
12. It lived during the _____and _____ periods.

13. It lived during the _____ ERA.

Click here to show selection chart



Station 6



click here for Geologic Time Scale

Return to Index

Next Station

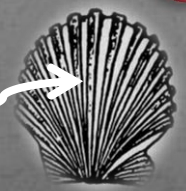
Examine these "fossil" specimens carefully. They are similar but not exactly the same.

14. What are their names and to which period do they belong?

	Name	Period
sample 7	_____	_____
sample 8	_____	_____
sample 9	_____	_____

15. Which is the oldest ? _____

Click here to show selection chart



Click any photo to enlarge or look at samples 7, 8, 9 in the lab

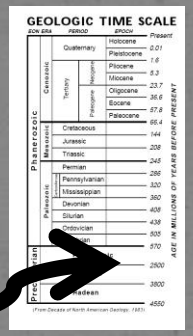
Station 7

Return to Index

Next Station

These two fossil samples each represent a **tooth** from an ancient horse. We see two different teeth from two different species of horse.

click here for Geologic Time Scale



16. Sample 10 is from an ancient horse named _____.

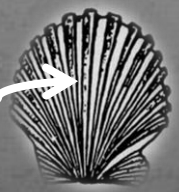
17. Sample 11 is from an ancient horse named _____.

18. A) Which animal lived more recently? _____

    B) These animals lived _____.

(on land / in the ocean)

Click here to show selection chart



Click photos to enlarge or look at samples 10 and 11 in the lab

Station 8

Return to Index

Next Station

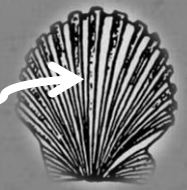
Examine this actual **Trilobite** fossil under the microscope (or enlarge the picture if you are not in the lab). Trilobites are extinct animals that lived in shallow seas as long as 600 million years ago!!

Click picture to enlarge

19. It is very _____ to determine exactly which species of trilobite we have.

easy /difficult

Click here to find the selection chart



20. The closest one to our sample is _____.

Pick one: Calymene / Isotelus / Olenoides

Click photo to enlarge or look at sample 12 in the lab

Station 9

Examine this fossil replica.

Return to Index

Next Station

21. This sample represents the fossilized tooth of a _____. (common name)

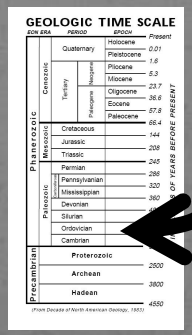
22. Its name is _____. (scientific name)

23. It is from the _____ ERA.

24. It is a _____.

pick one: real shark's tooth
real fossil of a shark's tooth
fake fossil of a shark tooth
real tooth from a fake shark

Click photo to enlarge or look at sample 13 in the lab



click here for Geologic Time Scale

Click here to show selection chart

Station 10

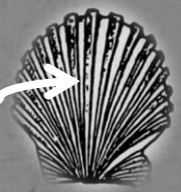
Fossil Replica

Return to Index

Next Station

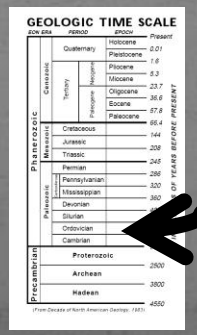
25. What is the name of this "fossil" specimen?
    Hint: look very closely, there is another one that looks a lot like it.

Click here to find the selection chart



Click photo to enlarge or look at sample 14 in the lab

26. It lived during the (A) _____ period which was (B) _____ to _____ million years ago.



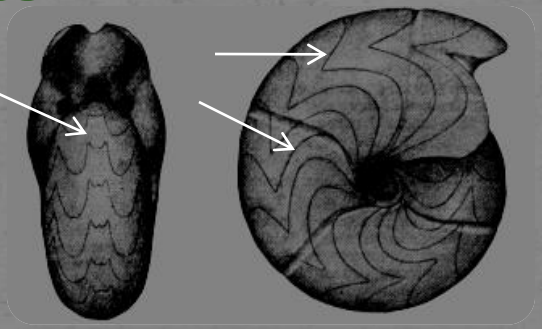
click here for Geologic Time Scale

Station 11

Return to Index

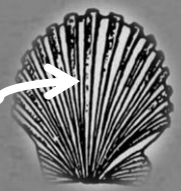
Next Station

This sample represents the fossilized remains of a small sea creature known as an **Ammonite**. Ammonites had jagged lines on their shells called **sutures**.



Click photo to enlarge or look at sample 15 in the lab

Click here to find the selection chart

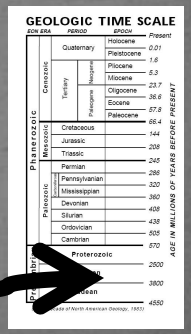


27. Can you see any suture lines on this sample? _____

28. The name of this Ammonite is _____ _____.

29. It lived about 350 million years ago in the _____ Period.

click here for Geologic Time Scale



Station 12

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Next Station

This is **Venericardia robustus**. All plants and animals are given two names; a Genus name (with a capitol letter) and a species name (with a small letter).

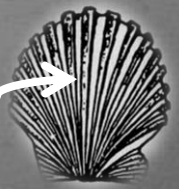
Click photo to enlarge or look at sample 16 in the lab

30. What is the Genus name of this "fossil"?

31. What is its species name?

32. The animal represented by this fossil is a Pelecypod. Pelecypods are _____?
Choose one: clams / snails / sea urchins

Click here to find the selection chart



Station 13

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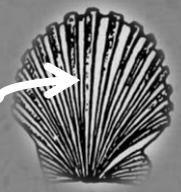
Next Station

These two samples are both **Brachiopods**; animals that lived in shallow seas attached to the sea bottom.

Click here to find the selection chart



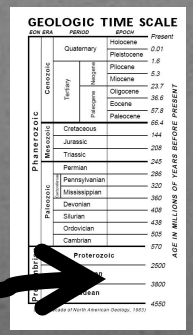
33. Sample 17 is named _____ _____.
    It is from the Cretaceous period.

34. Sample 18 is named _____ _____.
    It is from the Silurian period.

35. Which is the oldest?

Click photo to enlarge or look at sample 17 and 18 in the lab

click here for Geologic Time Scale



Station 14

Return to Index

Next Station

These might be fossils of a sea animal called a **Belemnoid** but I really don't know for sure.

Click photos to enlarge or look at sample 19 and 20 in the lab

36. Are these fossils real (made of rock) or fake (made of plaster or plastic)?

37. What has filled the v-shaped groove in sample 20?

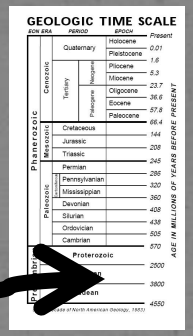
Station 15

Return to Index

Next Station

This is a plaster model of some **plant fossils** you could have found in 300 million year old rock.

click here for Geologic Time Scale



38. Match the fossil with its scientific name.

fossil A _____ fossil B _____

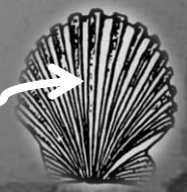
fossil C _____ fossil D _____

39. Which fossil shows the scales of an ancient tree?

40. These fossils are from the _____ ERA.

Click photo to enlarge or look at sample 21 in the lab

Click here to find the selection chart



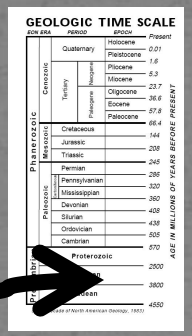
Station 16

Return to Index

Next Station

Both of these fossils are **Trilobites** that have curled up into a ball.

click here for Geologic Time Scale



Click photos to enlarge or look at samples 22 and 23 in the lab

41. Sample 22 is named _____ _____.

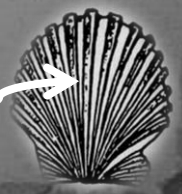
42. Sample 23 is named _____ _____.

43. Which "fossil" is the oldest?

44. Both of these are from the _____ ERA.

45. What is different about them that allowed you to tell them apart?

Click here to find the selection chart



Station 17

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Next Station

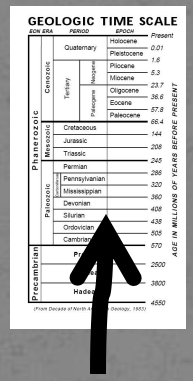
This plaster cast is a replica of several **marine fossils** (lived in the sea)

46. Fossil A is a _____ .
trilobite / cephalopod

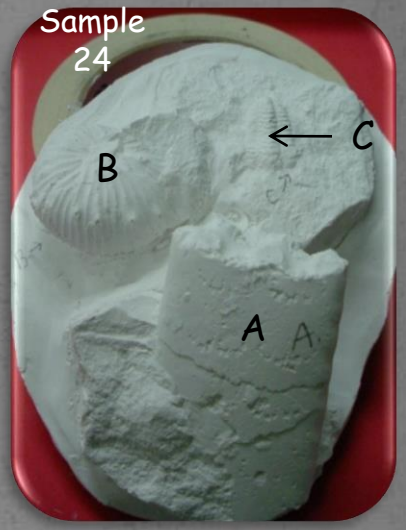
47. Fossil B is a _____ .
trilobite / cephalopod

48. Fossil C is a _____.
trilobite / cephalopod

49. Which of these "fossils" is the oldest?

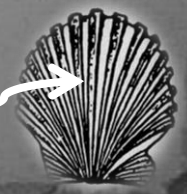


click here for Geologic Time Scale



Click photo to enlarge or look at sample 24 in the lab

Click here to find the selection chart



Station 18

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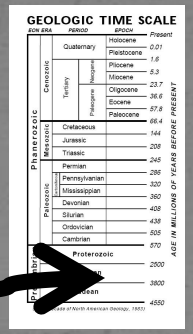
Next Station

These fossil replicas are of sea animals called **Echinoderms**.

click here for Geologic Time Scale



50. Sample 25 is named _____. It is commonly called a "sea lilly".

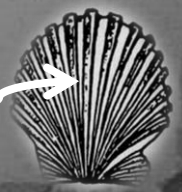
51. Sample 26 is named _____.

52. Sample 27 is named _____ _____. It is commonly called a "sea urchin".

53. Did all three of these animals live in the same ERA?

54. Which one is this a picture of?

Click here to find the selection chart



Station 19

Return to Index

Next Station

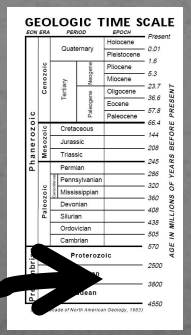
Fossils of sea creatures such as ancient fish, clams, and snails are most commonly preserved in **Sedimentary Rock**.

Click photo to enlarge or look at sample 28 in the lab

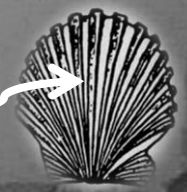
55. a) This is a fossil replica of a 40 million year old _____.
    b) It was probably found in layers of _____ rock.
    pick one: shale / granite / basalt

56. This fossil is from the _____ ERA.

click here for Geologic Time Scale



Click here to find the selection chart



Station 20

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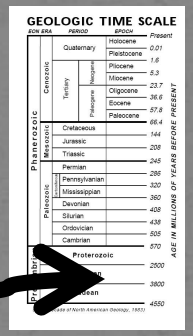
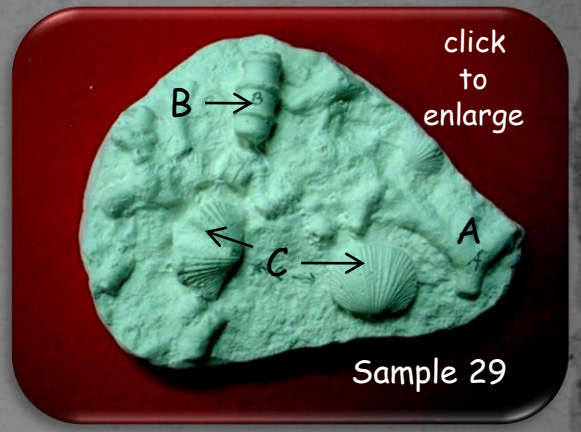
Next Station

This plaster model shows fossilized animals that lived 450 – 600 million years ago!

click here for Geologic Time Scale





Click photo to enlarge or look at sample 29 in the lab

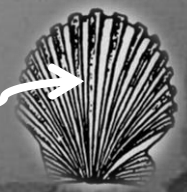
57. Fossil A is named _____.

58. Fossil B is named _____.

59. Fossil C is named _____.

60. In which two periods did these animals live?

Click here to find the selection chart



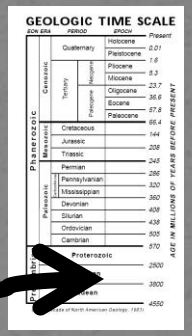
Station 21

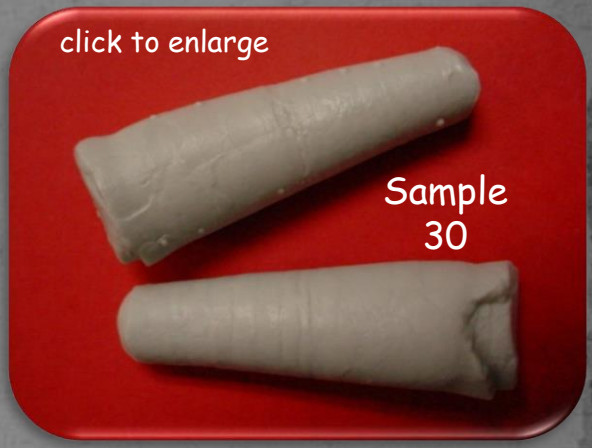
Return to Index

Next Station

Examine this fossil replica.

click here for Geologic Time Scale





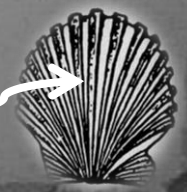
Click photo to enlarge or look at sample 30 in the lab

61. The name of this fossil is _____ _____.

62. In which <u>period</u> did it live?

63. In which <u>ERA</u> did it live?

Click here to find the selection chart



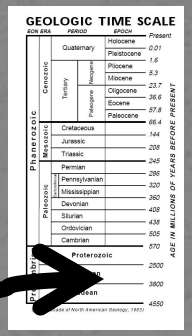
Station 22

Return to Index

Next Station

This is a plaster replica of a fossil found in 300 million year old rock!

click here for Geologic Time Scale



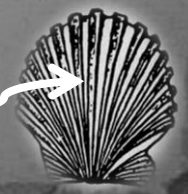
Click photo to enlarge or look at sample 31 in the lab

64. The name of this "fossil" is _____.

65. a) It was a _____ plant / animal

b) It lived during the _____ *period.*

Click here to find the selection chart



Station 23

Return to Index

Next Station

Fossils are evidence of living things from the past. This animal lived up to 65 million years ago.

66. This "fossil is named _____ _____.

67. It is a _____ cephalopod / gastropod / pelecypod

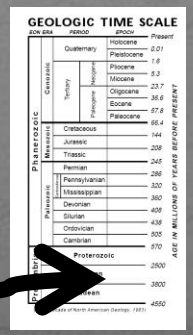
68. It lived during the _____ *period.*

click to enlarge

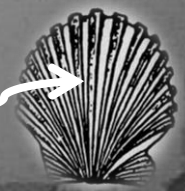
Sample 32

Click photo to enlarge or look at sample 32 in the lab

click here for Geologic Time Scale



Click here to find the selection chart

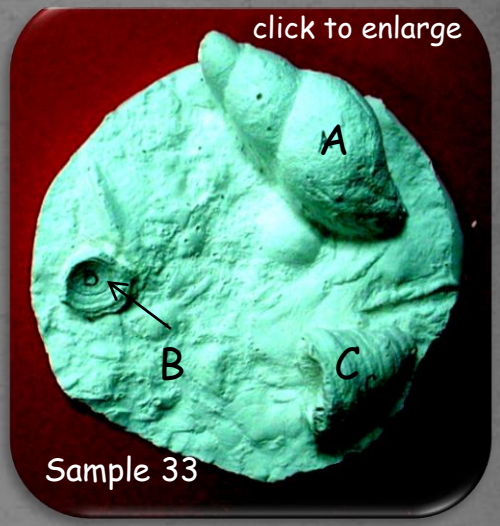


Station 24

Return to Index

Next Station

This plaster cast shows 3 different marine animals that lived 600 million years ago but some species still exist today.

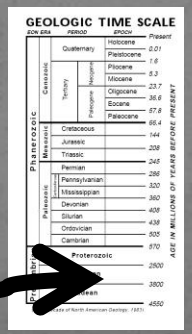


Click photo to enlarge or look at sample 33 in the lab

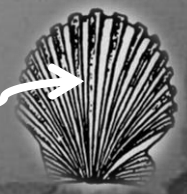
69. Specimen A is an ancient Gastropod (snail). It lived 65 million years ago in the _____ *period.*

70. Specimen C belongs to a group known as Anthazoa. This one is a horn coral and lived _____ million years ago.

click here for Geologic Time Scale



Click here to find the selection chart



Station 25

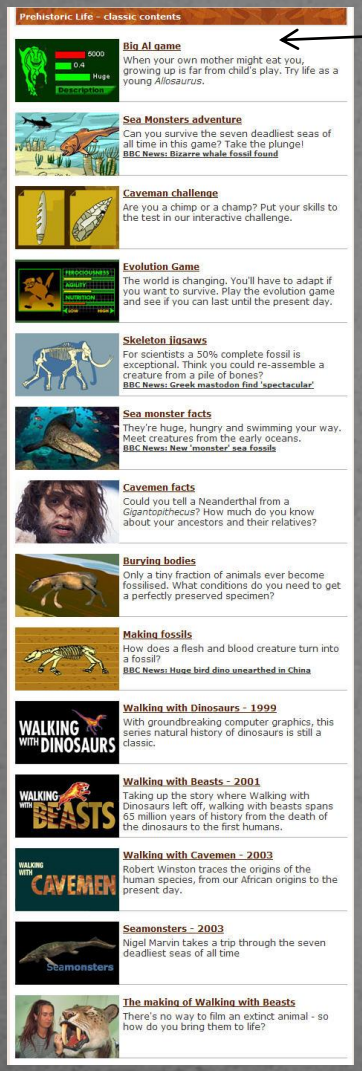
Return to Index

Next Station

This station links you to another website **"The Ways Fossils Form"**. Click on the picture below to enter and answer the questions on your lab sheet. Don't forget to come back here and continue on to Station 26.

Click anywhere in here.

Station 26



Click anywhere in here to get all of these.

Return to Index

Next Station

This station links you to another website "Prehistoric Life". Click on the picture at the left to enter or click the individual pictures below to go directly to a specific topic. Answer the questions on your lab sheet. Don't forget to come back here and continue on to Station 27.

Burying Bodies

Making Fossils

Click these icons for a direct link to the topic

Skeleton Jigsaws

Sea Monster Facts

Sea Monster Adventure Game

Click these icons for a direct link to the topic

Station 27

Return to Index

Next Station

Click to enter site

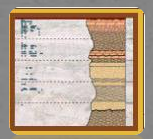
This station links you to another website **"Galleries Interactive – Fossils"**.. Click on the picture above to enter. You could probably spend a week at this site so make sure you get to the topics on your lab sheet. Clicking on an individual picture below will take you directly to that topic. In station 28 you will revisit this site to browse through the other topics.


Be an Artist


Dinos in Time


Eating with Scissors


Crater Tour


Declining Diversity


Winners and Losers


Climate Past


Unusual Suspects


What is a Dinosaur

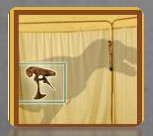

Large Invertebrates


Iridium Spike


Impact Tour


Mammal Skulls


Dino – Bird Connection


Who's Hip


Digging in the Dirt


Marine Reptiles


Volcanism and Extinction


Lava, Lava, and More Lava


Teeth: the oral Toolbox


Feathers and Flight

Station 28

Click to enter site

This is the last station!!!

Return to Index

Congratulations!! If you have made it this far you have worked hard and learned a lot. Let's relax, put down our pencils, and revisit the website **"Galleries Interactive – Fossils"**.. Check out the topics below that you skipped at Station 27. Just browse through them, you don't need to answer any questions.

Foot Bones

Hotspot Today

Leaf Quiz

Hair and Fur

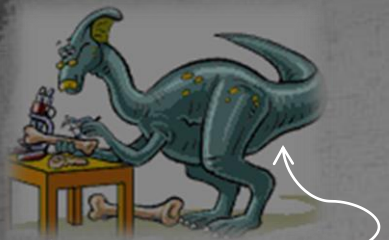
Climate Simulator

Tracks

Insect Damage

Leaf Litter

History of Milk



Return to Station 1

Return to Index

Sample 1

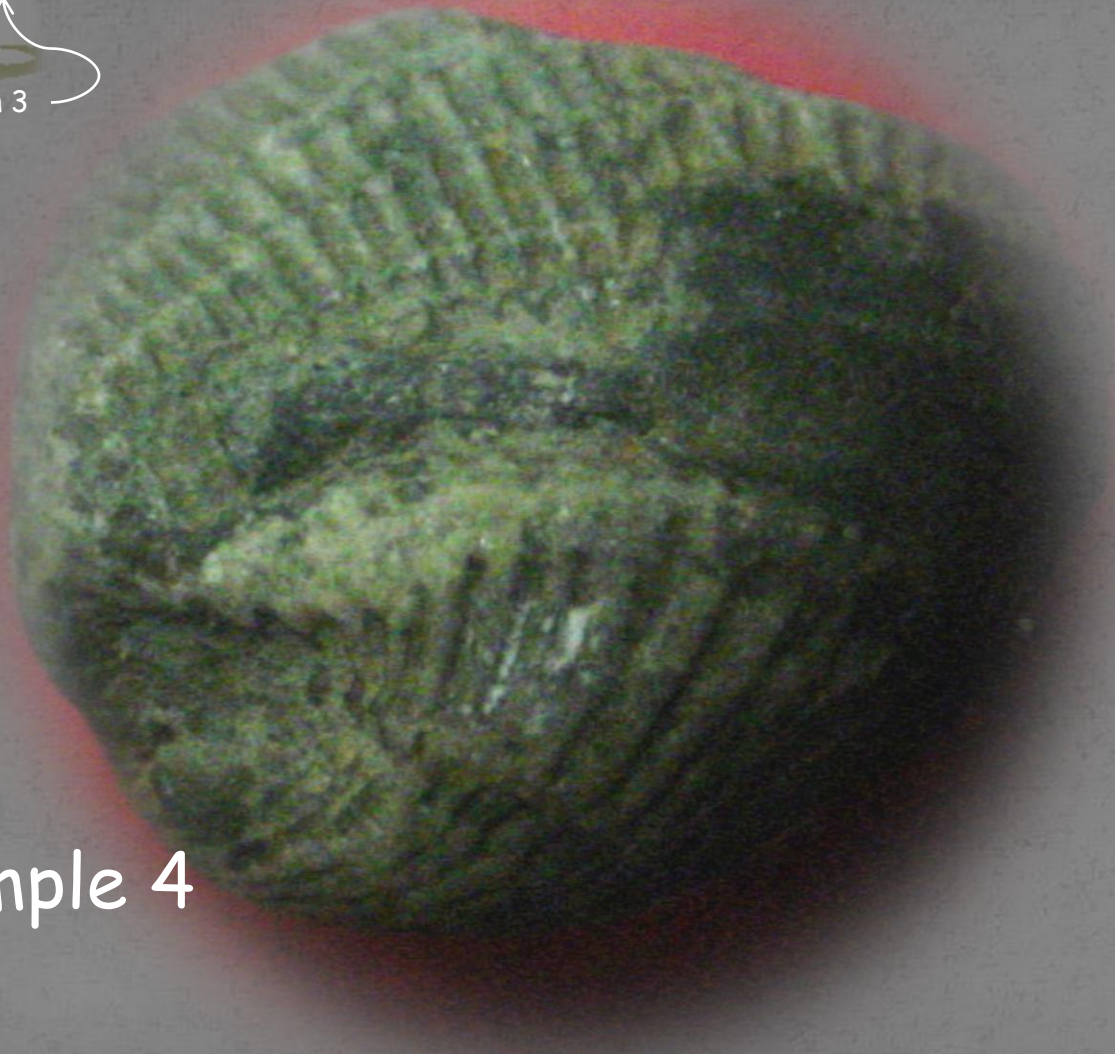
Return to Station 2

Return to Index

Sample 2&3

Return to Station 3

Return to Index

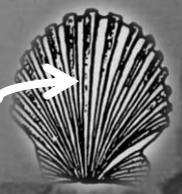


Sample 4

Return to Station 4

Return to Index

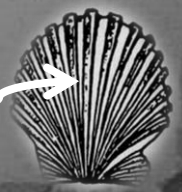
Click here to show selection chart



Return to Station 5

Return to Index

Click here to show selection chart



Return to Index

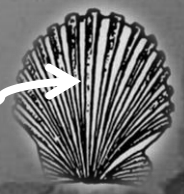
Return to Station 6

Sample 7

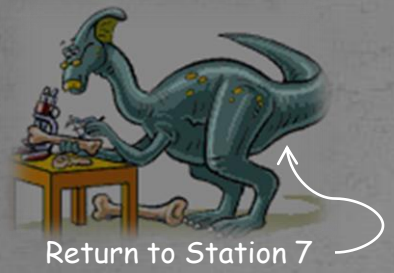
Sample 8

Sample 9

Click here to show selection chart



Return to Index

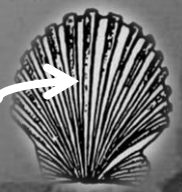


Return to Station 7

Sample 10

Sample 11

Click here to show selection chart



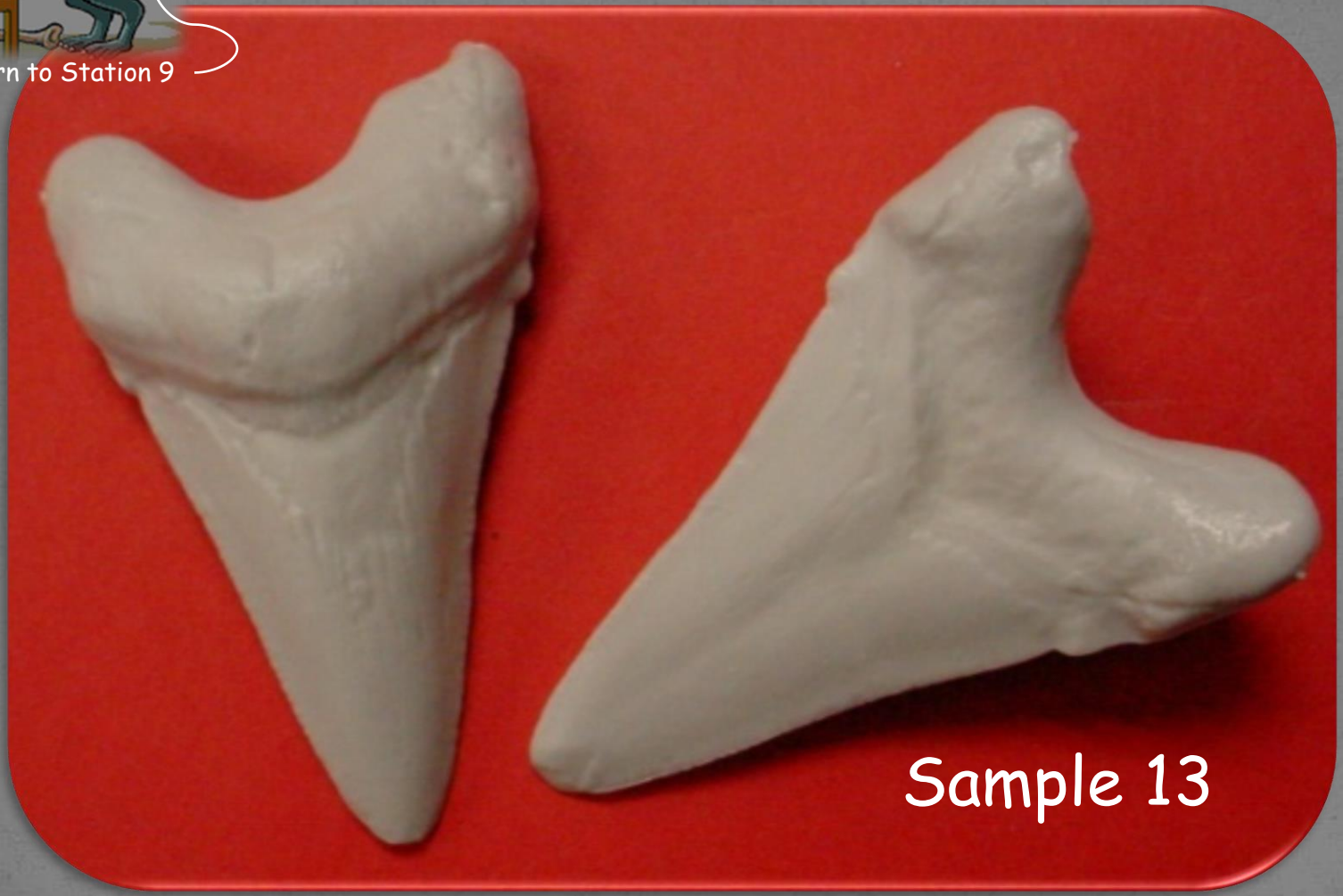
Return to Station 8

Return to Index

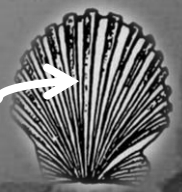
Sample 12

Return to Station 9

Return to Index



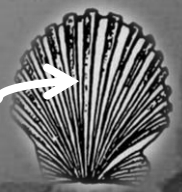
Click here to show selection chart



Return to Station 10

Return to Index

Click here to show selection chart



Return to Station 11

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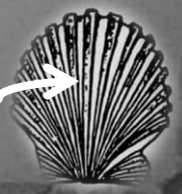
Sample 15

Click here to show selection chart

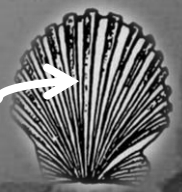


Return to Station 12

Return to Index

Sample 16

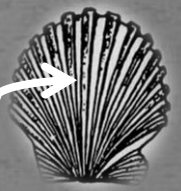
Click here to show selection chart



Return to Station 13

Return to Index

Click here to show selection chart



Sample 17

Sample 18

Return to Station 14

Return to Index

Sample 19

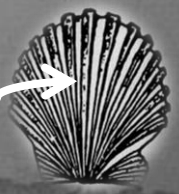
Sample 20

Return to Station 15

Return to Index

Sample 21

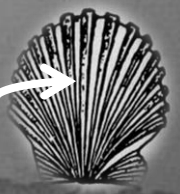
Click here to show selection chart



Return to Station 16

Return to Index

Click here to show selection chart



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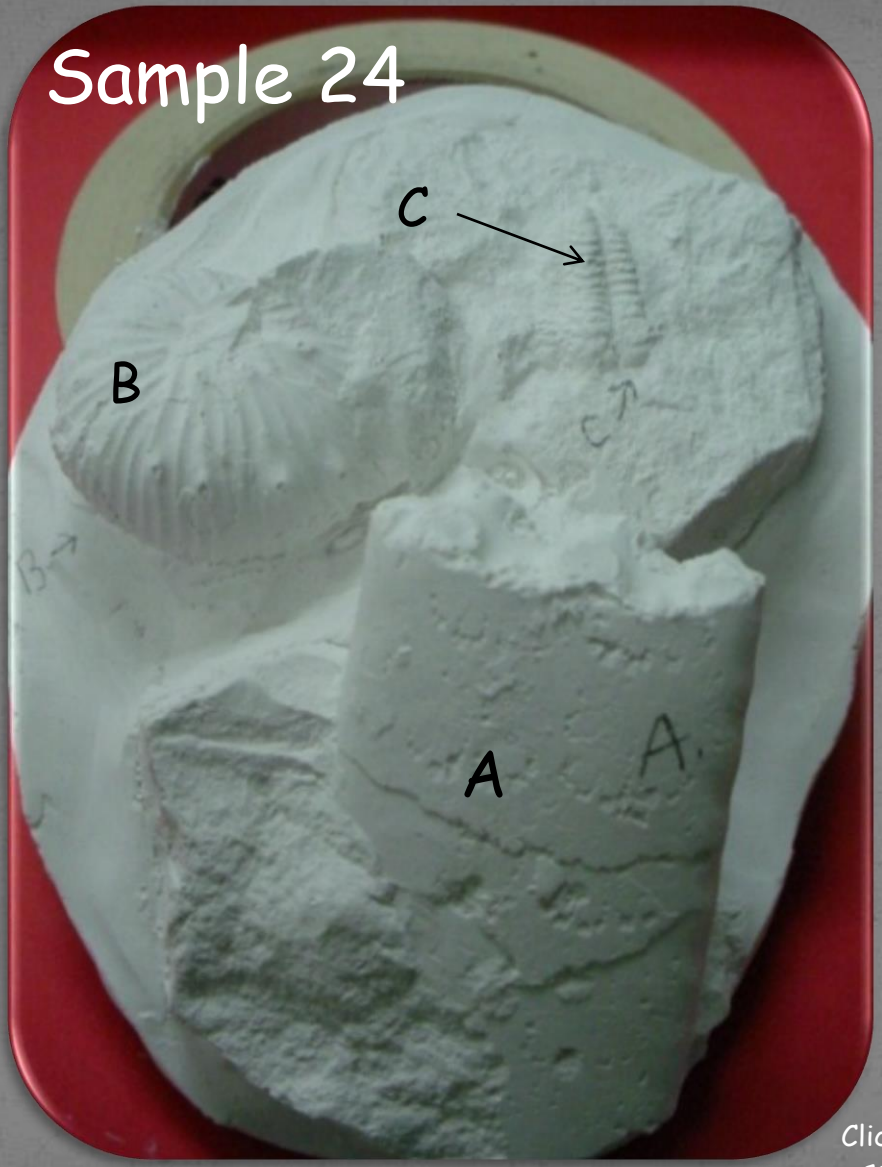
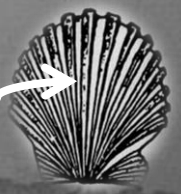
Sample 24



Click here to show selection chart



Return to Station 18

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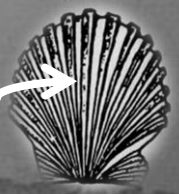
Sample 25

Sample 26

Sample 27

Click here to show selection chart



Return to Station 19

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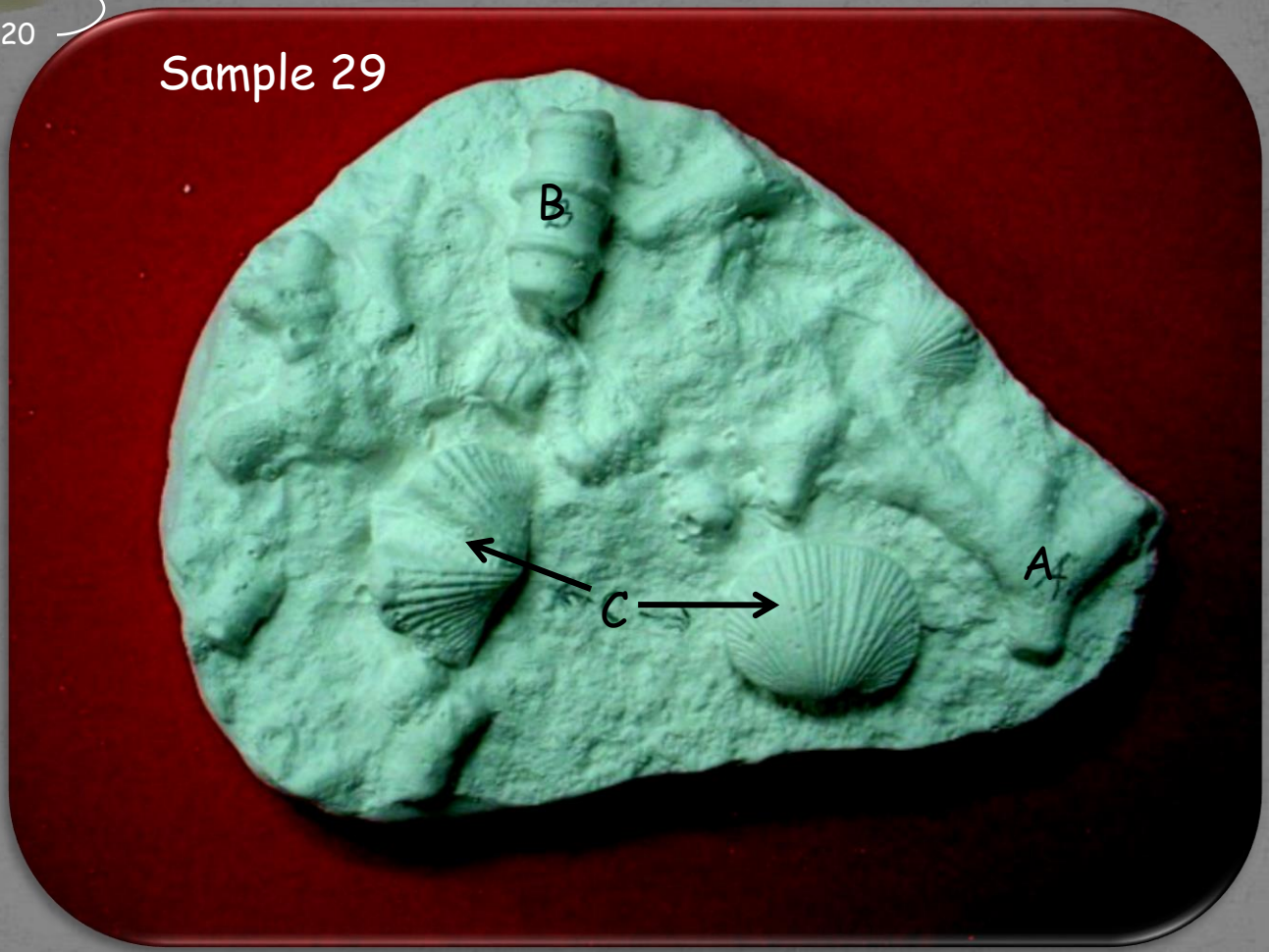
Sample 28

Click here to show selection chart

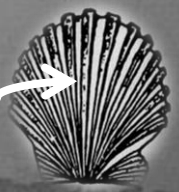
Return to Station 20

Return to Index

Sample 29



Click here to show selection chart

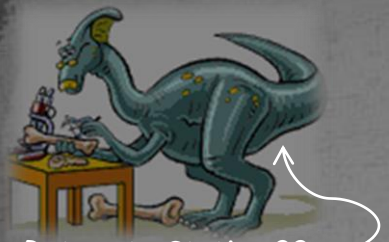


Return to Station 21

Return to Index

Sample 30

Click here to show selection chart



Return to Station 22

Return to Index

Sample 31

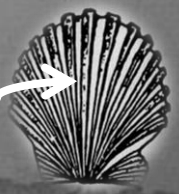
Click here to show selection chart

Return to Station 23

Return to Index

Sample 32

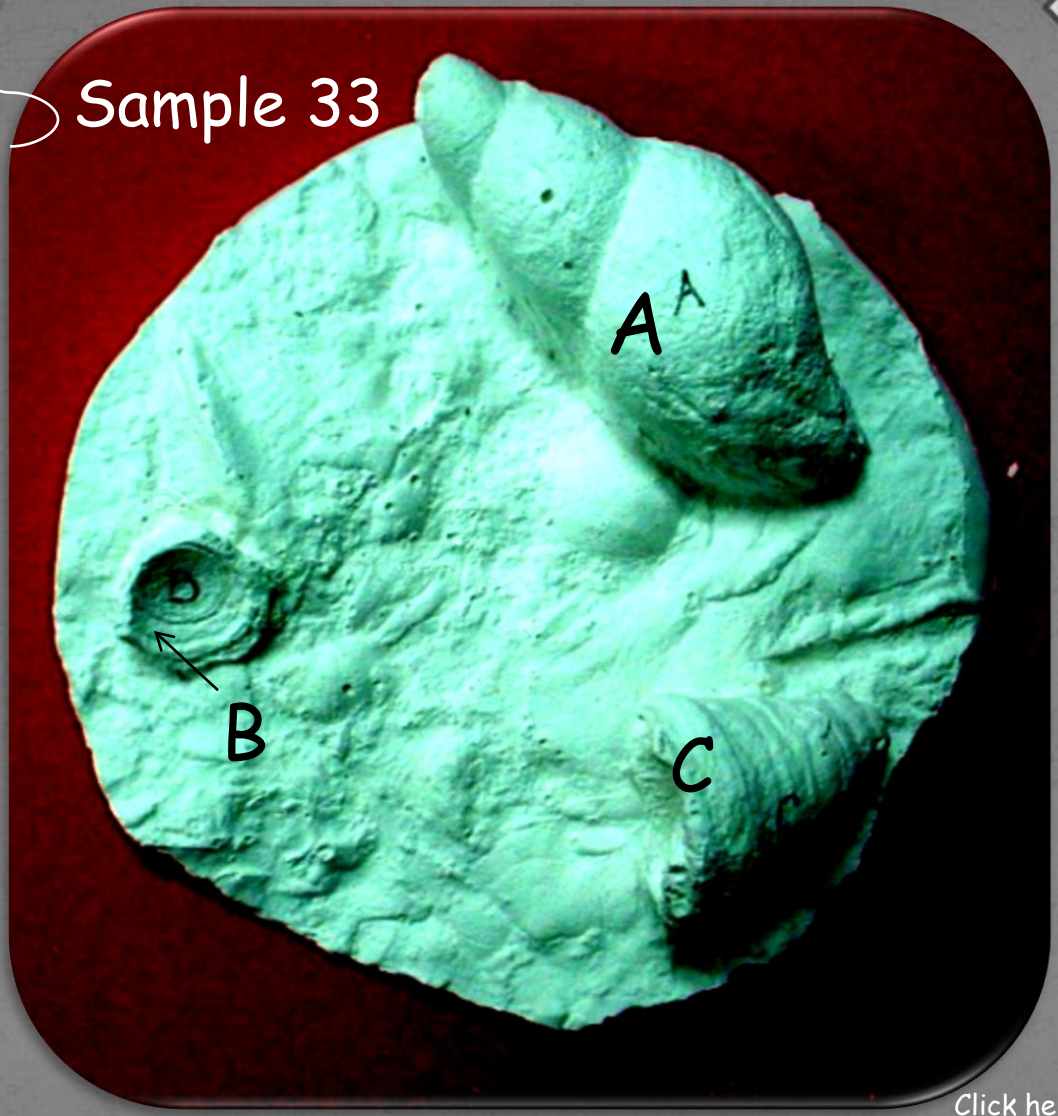
Click here to show selection chart



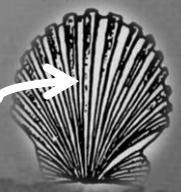
Return to Station 24

Return to Index

Sample 33



Click here to show selection chart

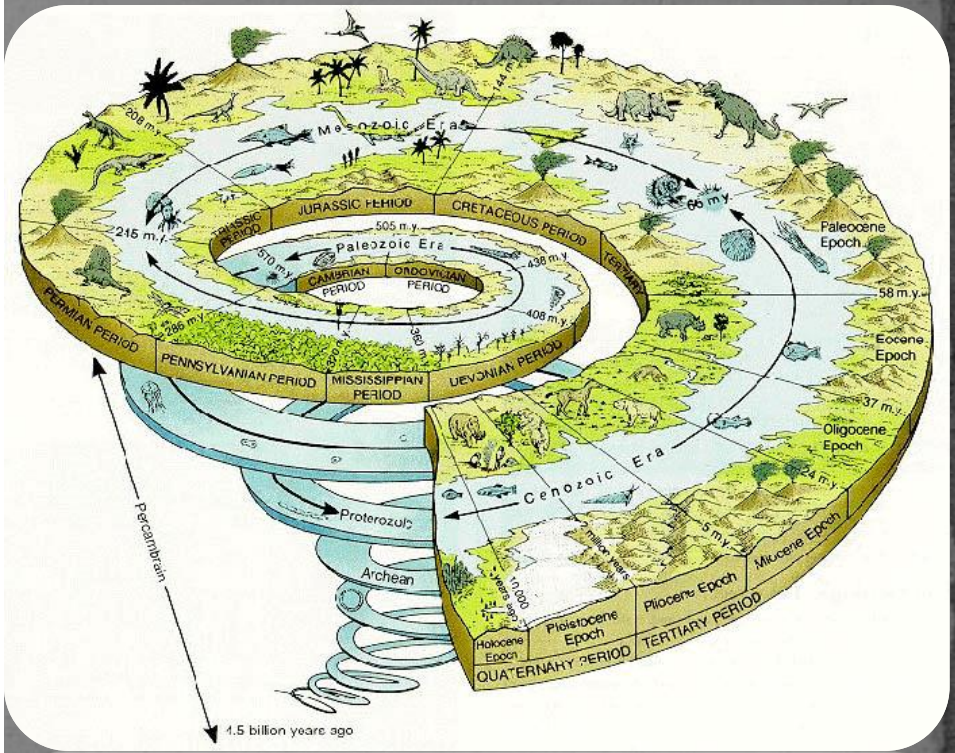


GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

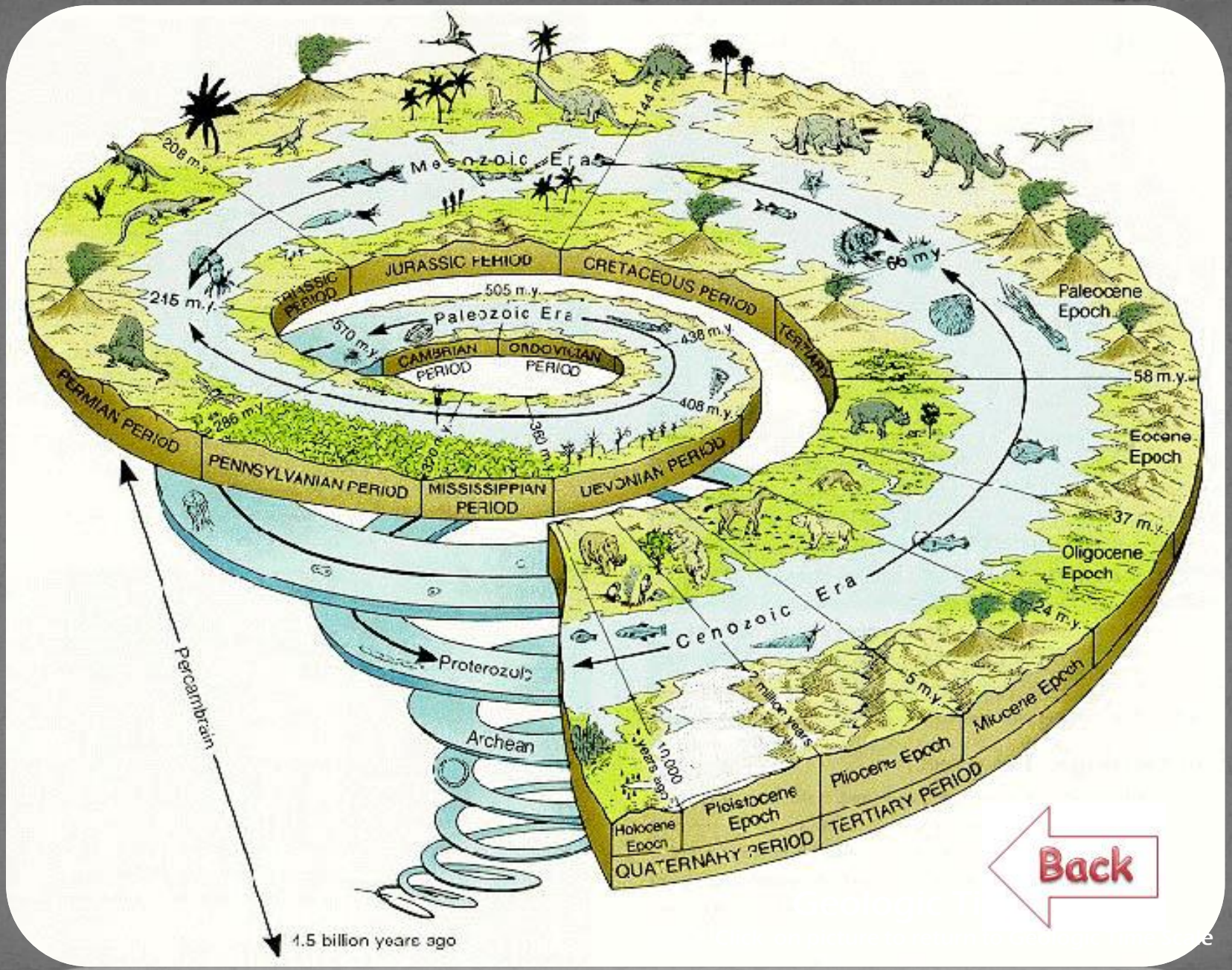
(From Decade of North American Geology, 1983)

Back to Station 3



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
65 m.y.
215 m.y.
505 m.y.
Paleozoic Era
570 m.y.
438 m.y.
408 m.y.
360 m.y.
320 m.y.
286 m.y.
TRIASSIC PERIOD
JURASSIC PERIOD
CRETACEOUS PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

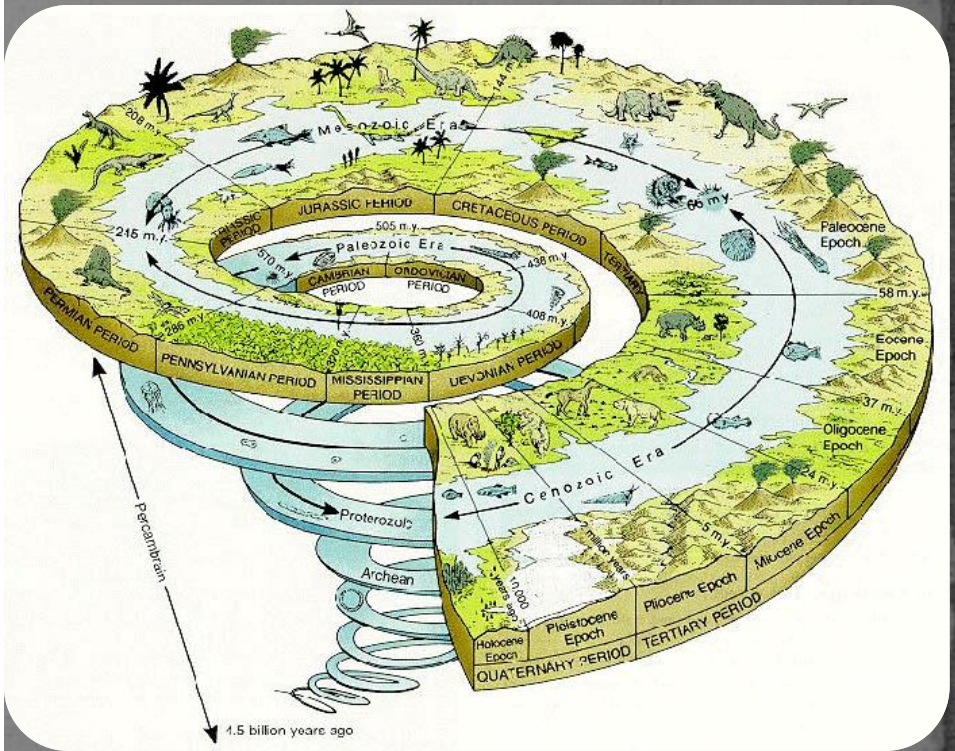
GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present
			Pleistocene	0.01
		Tertiary – Neogene	Pliocene	1.6
			Miocene	5.3
		Tertiary – Paleogene	Oligocene	23.7
			Eocene	36.6
			Paleocene	57.8
	Mesozoic	Cretaceous		66.4
		Jurassic		144
		Triassic		208
	Paleozoic	Permian		245
		Carboniferous – Pennsylvanian		286
		Carboniferous – Mississippian		320
		Devonian		360
		Silurian		408
		Ordovician		438
		Cambrian		505
Precambrian	Proterozoic			570
	Archean			2500
	Hadean			3800
				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

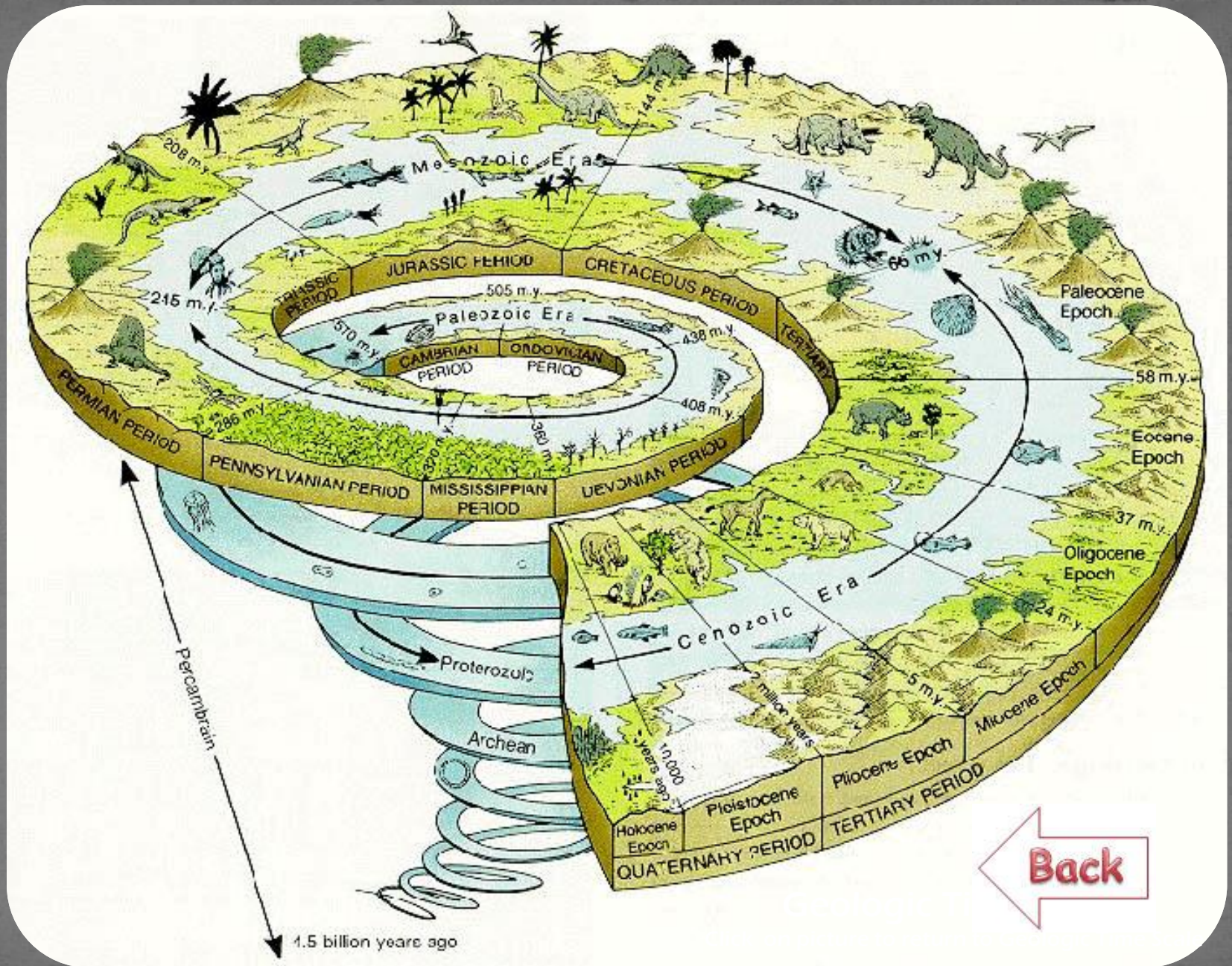
(From Decade of North American Geology, 1983)

Back to Station 4



Geologic Time Spiral

Click on picture to enlarge

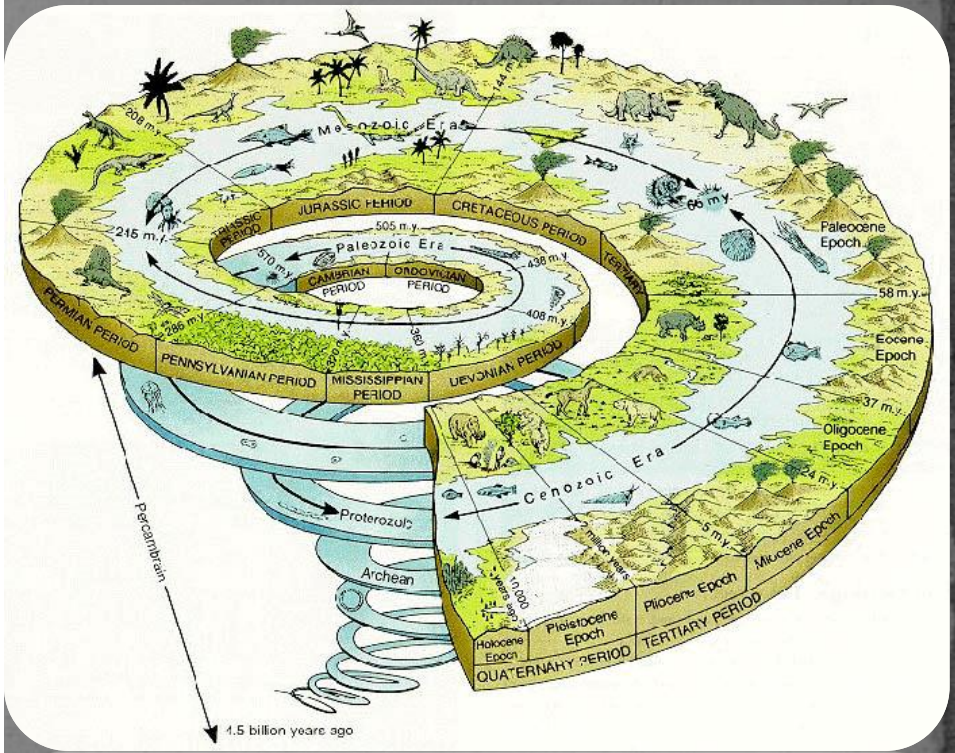

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

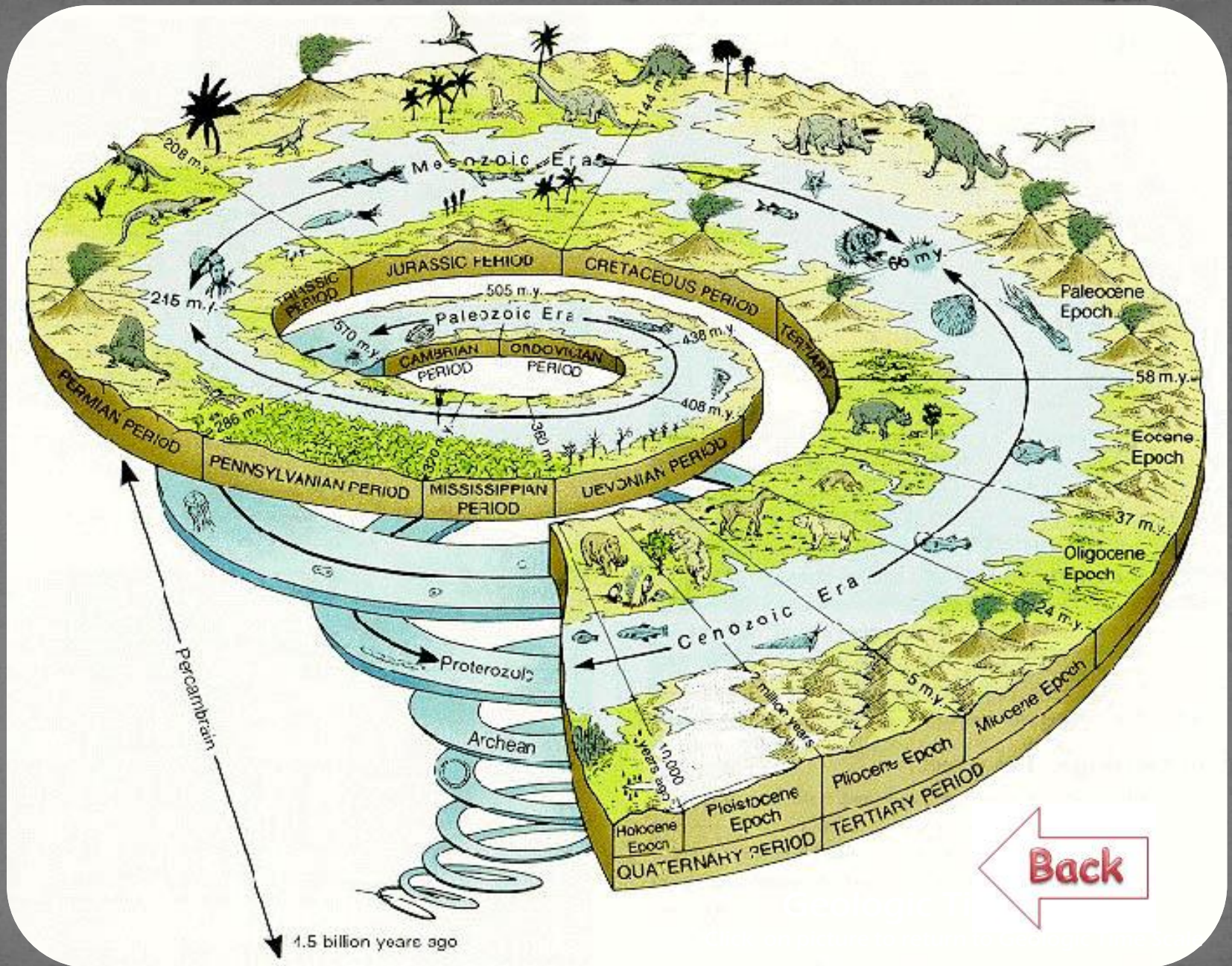
(From Decade of North American Geology, 1983)

Back to Station 5



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

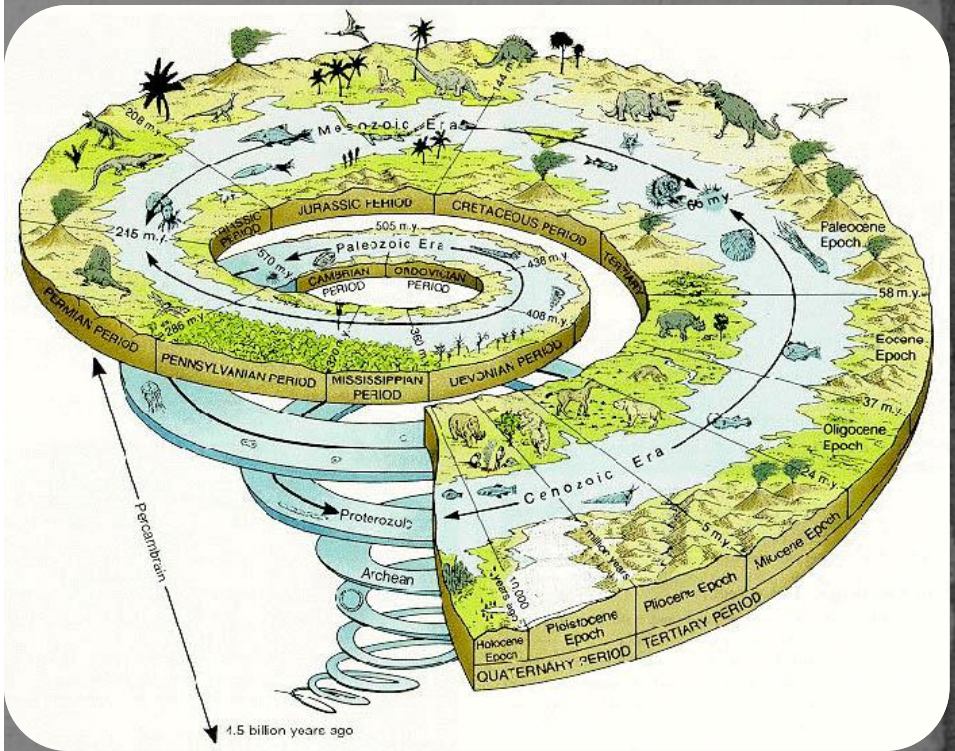
GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	Present
Phanerozoic	Cenozoic	Quaternary	Holocene	
			Pleistocene	0.01
		Tertiary – Neogene	Pliocene	1.6
			Miocene	5.3
		Tertiary – Paleogene	Oligocene	23.7
			Eocene	36.6
			Paleocene	57.8
	Mesozoic	Cretaceous		66.4
		Jurassic		144
		Triassic		208
	Paleozoic	Permian		245
		Carboniferous – Pennsylvanian		286
		Carboniferous – Mississippian		320
		Devonian		360
		Silurian		408
		Ordovician		438
		Cambrian		505
Precambrian	Proterozoic			570
	Archean			2500
	Hadean			3800
				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

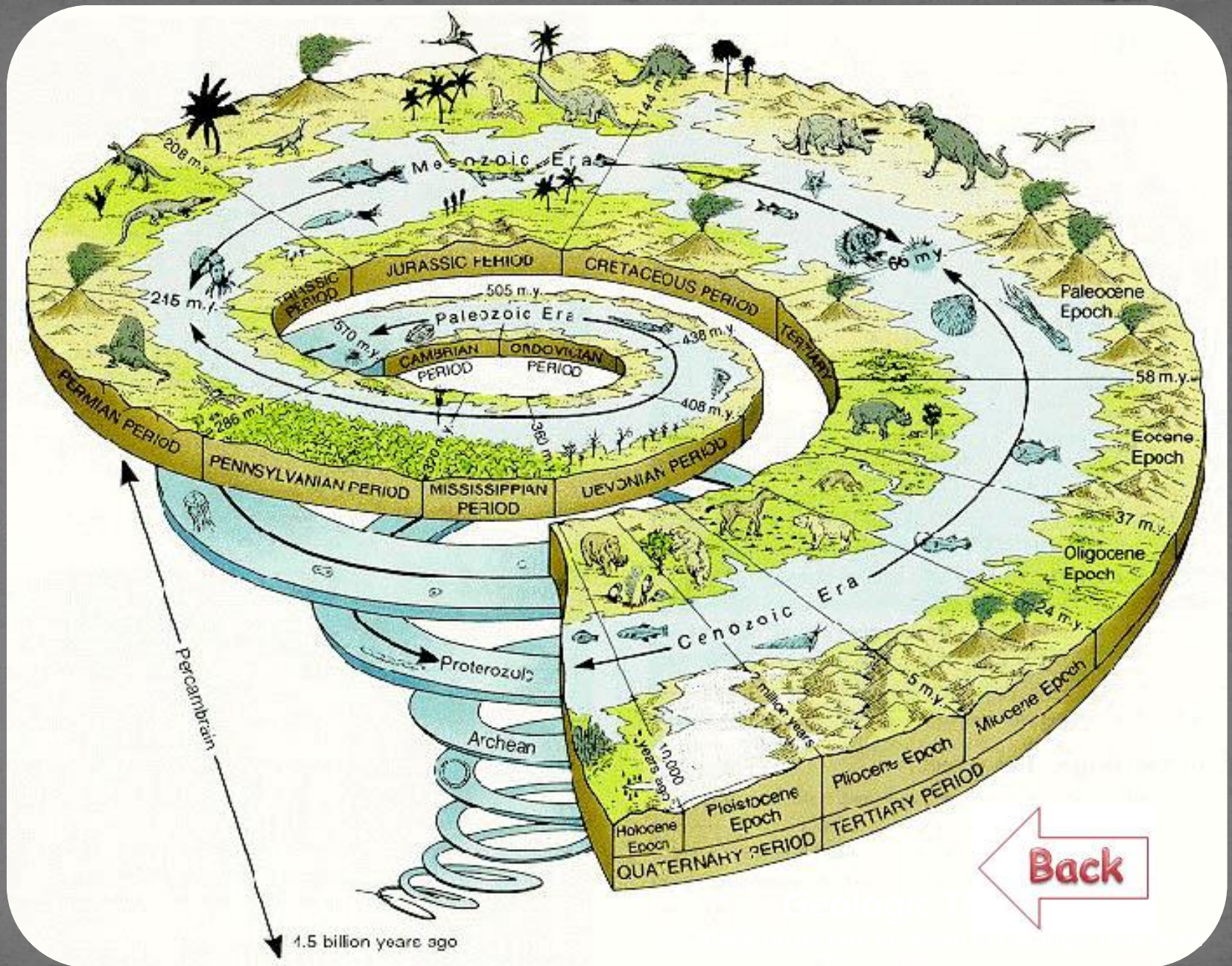
(From Decade of North American Geology, 1983)

Back to Station 6



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

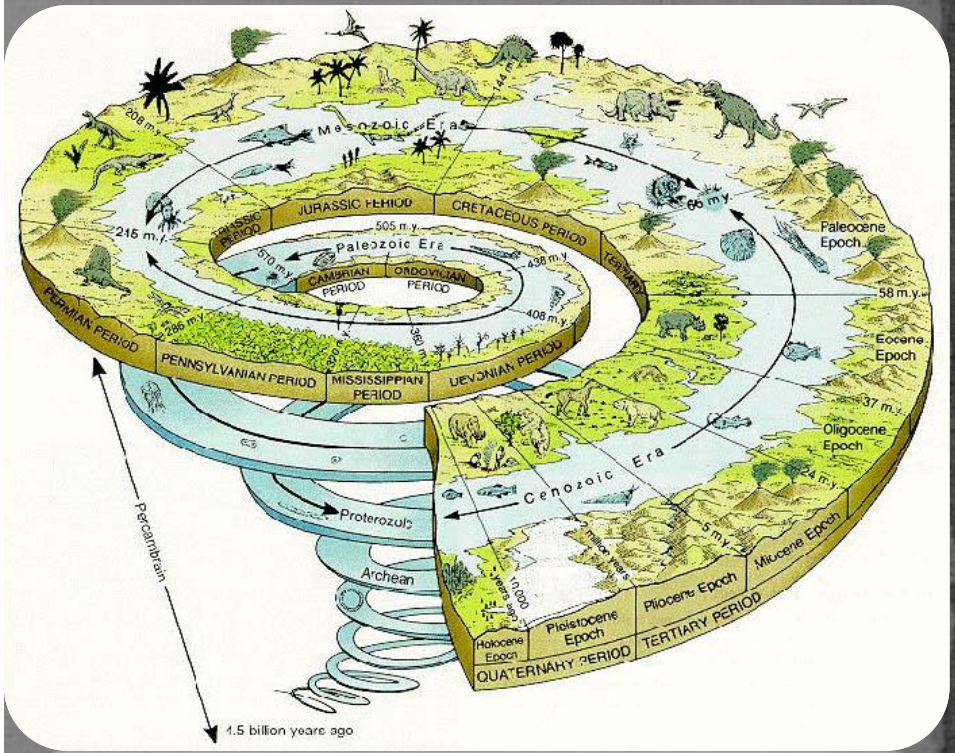
GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

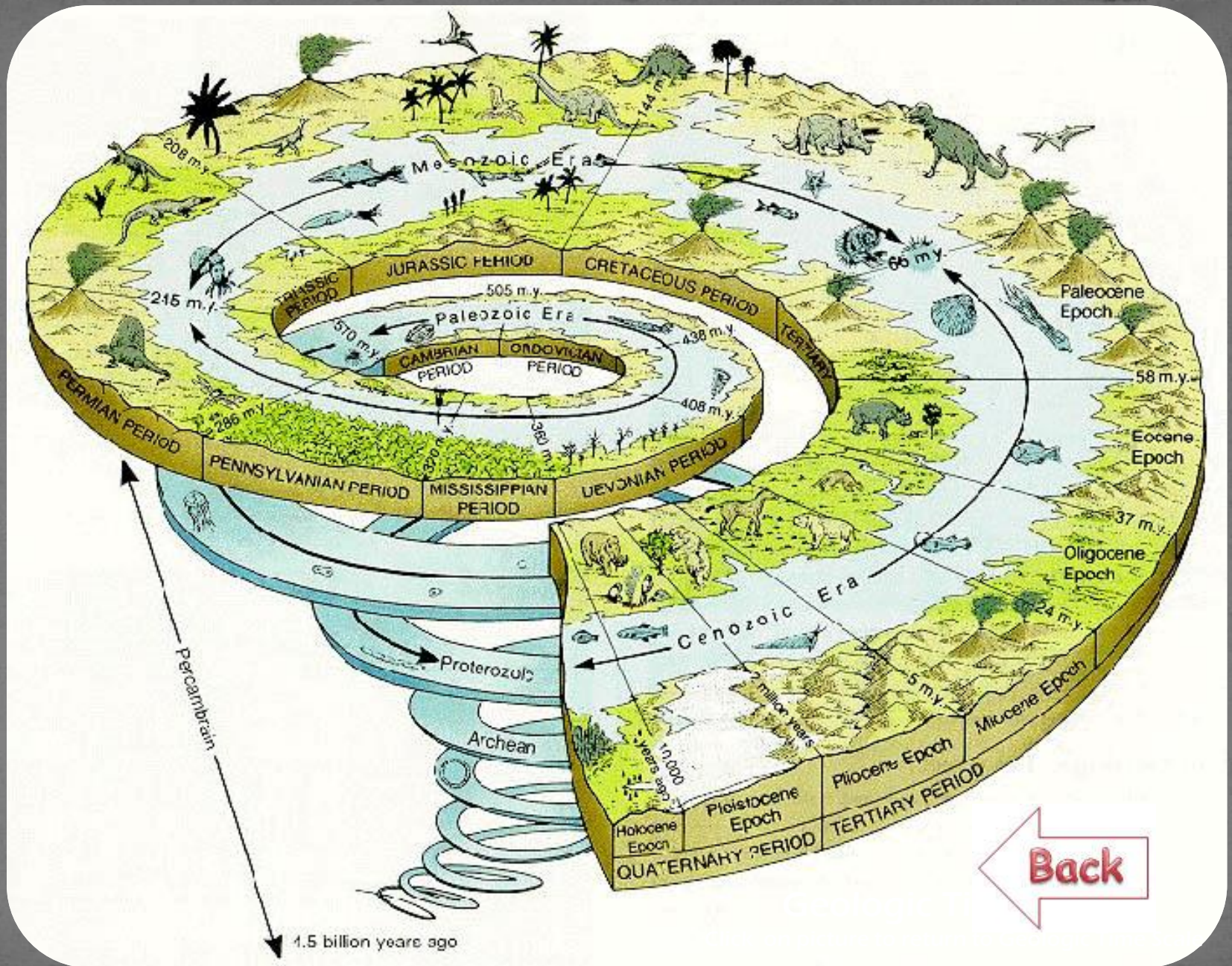
(From Decade of North American Geology, 1983)

Back to Station 7



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

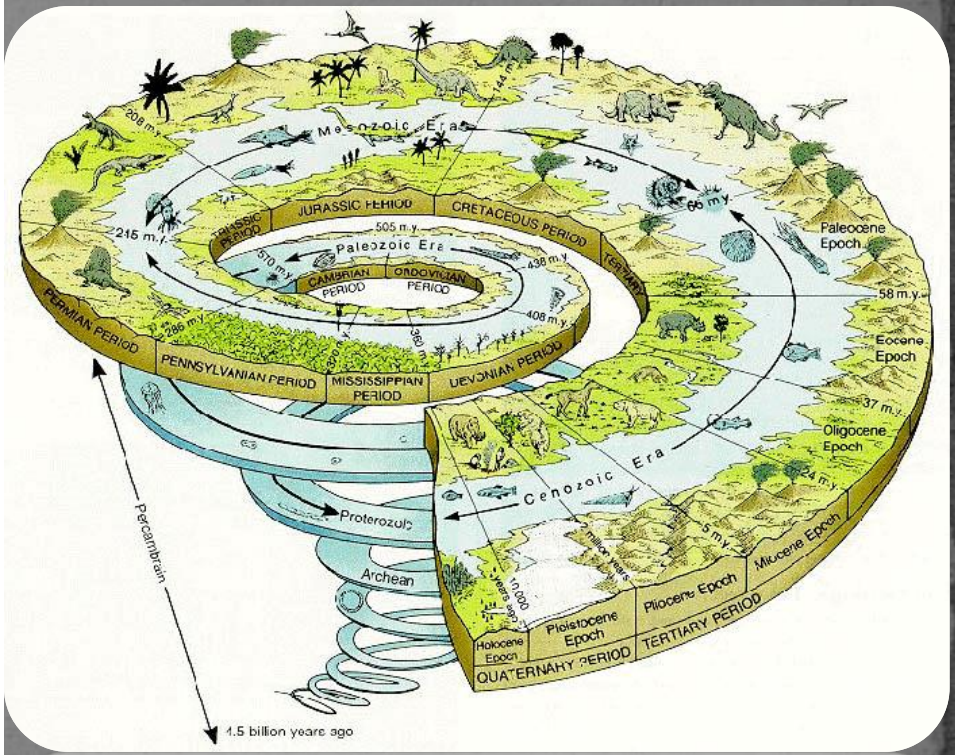
GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

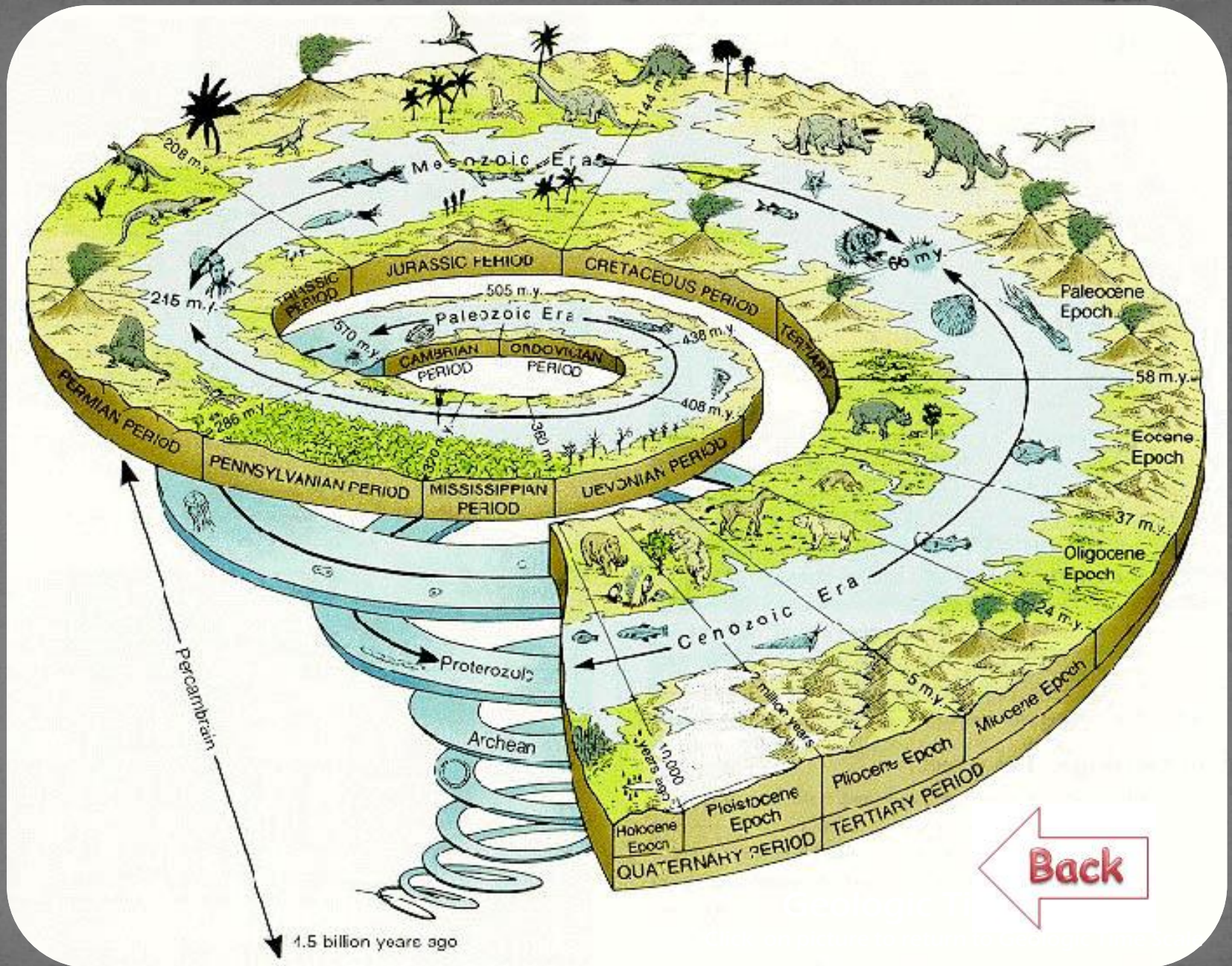
(From Decade of North American Geology, 1983)

Back to Station 9



Geologic Time Spiral

Click on picture to enlarge

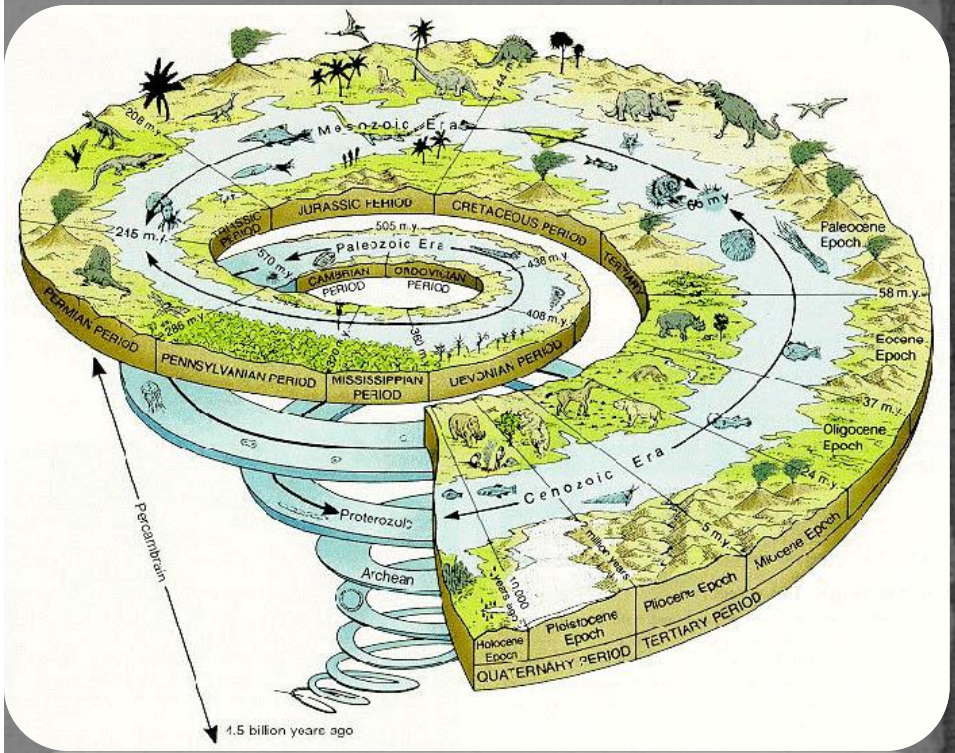

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
				Present
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01
			Pleistocene	1.6
		Tertiary – Neogene	Pliocene	5.3
			Miocene	23.7
		Tertiary – Paleogene	Oligocene	36.6
			Eocene	57.8
			Paleocene	66.4
	Mesozoic	Cretaceous		144
		Jurassic		208
		Triassic		245
	Paleozoic	Permian		286
		Carboniferous – Pennsylvanian		320
		Carboniferous – Mississippian		360
		Devonian		408
		Silurian		438
		Ordovician		505
		Cambrian		570
Precambrian	Proterozoic			2500
	Archean			3800
	Hadean			4550

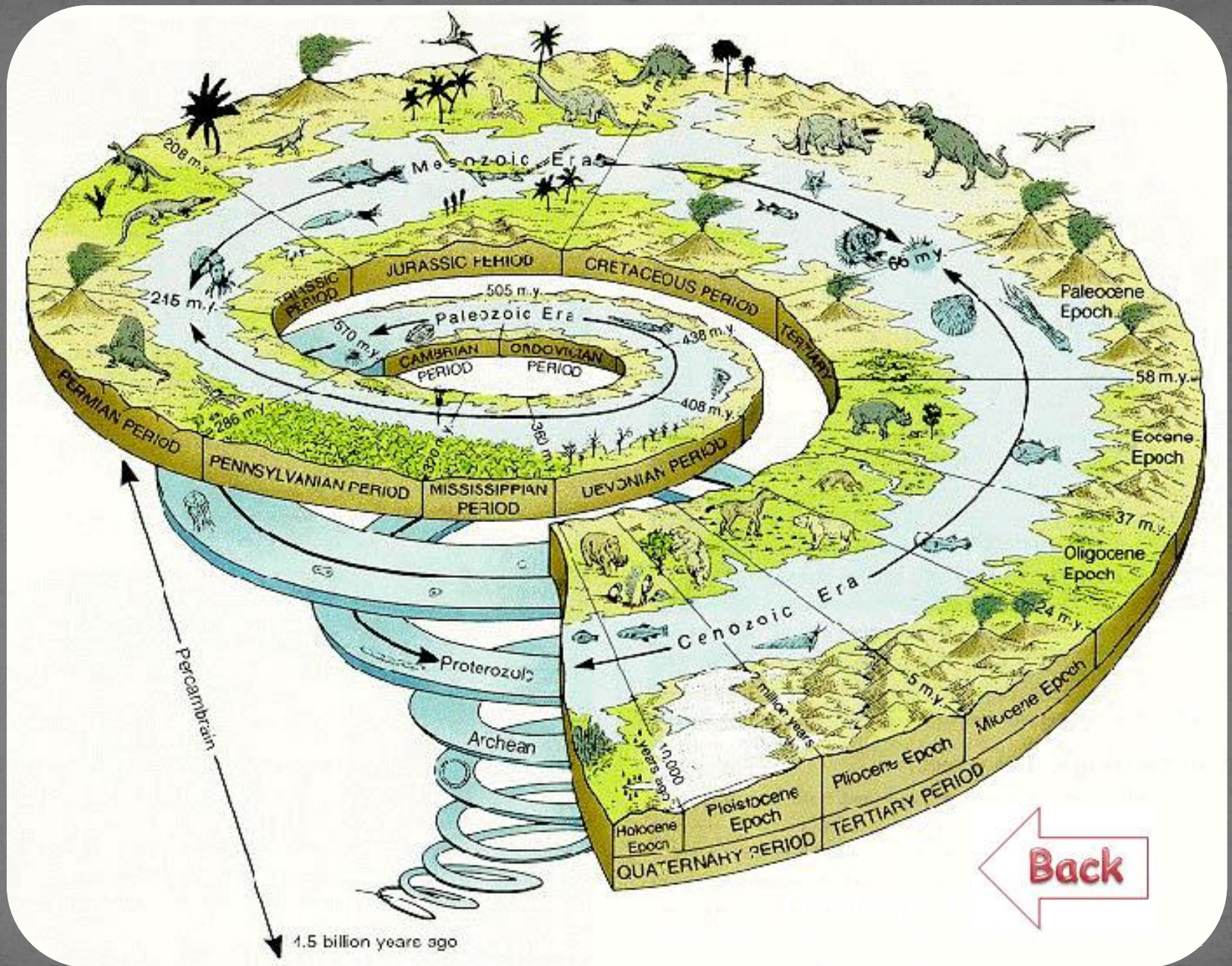
(From Decade of North American Geology, 1983)

Back to Station 10



Geologic Time Spiral

Click on picture to enlarge

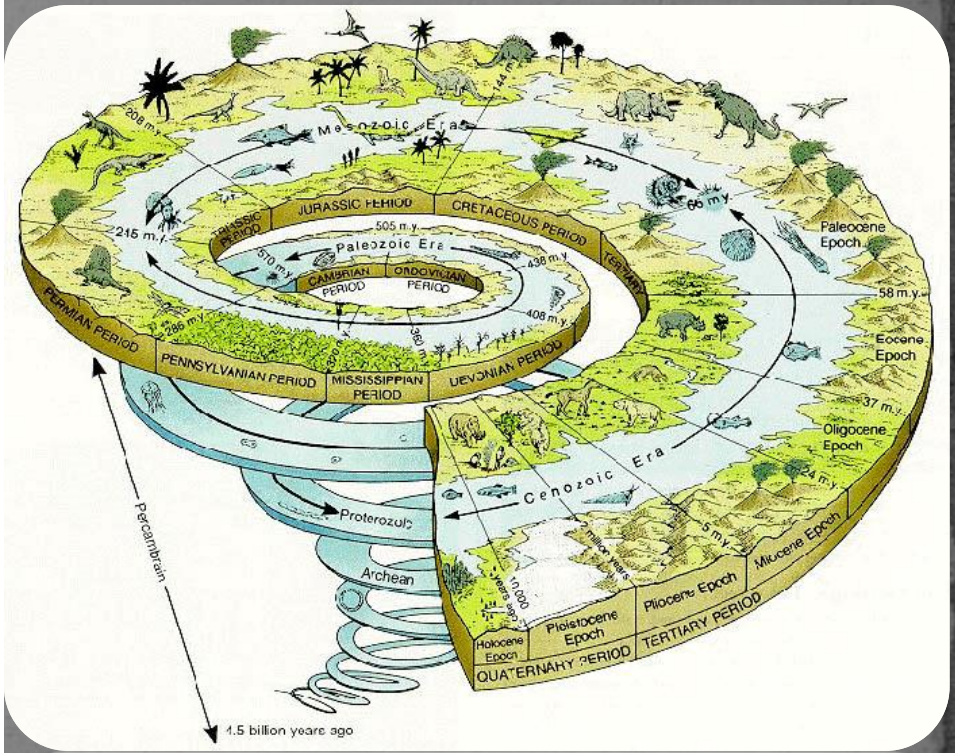

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

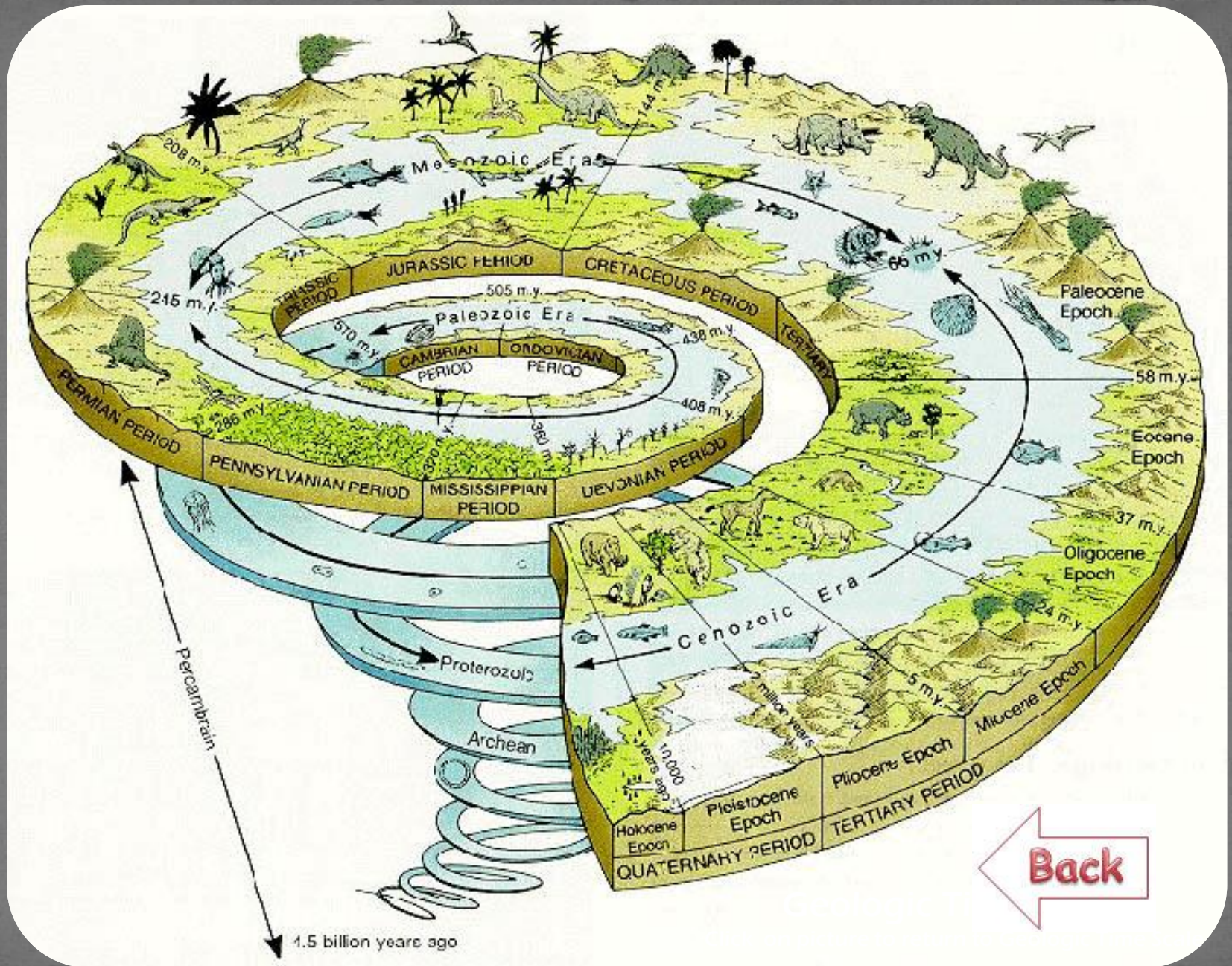
(From Decade of North American Geology, 1983)

Back to Station 11



Geologic Time Spiral

Click on picture to enlarge

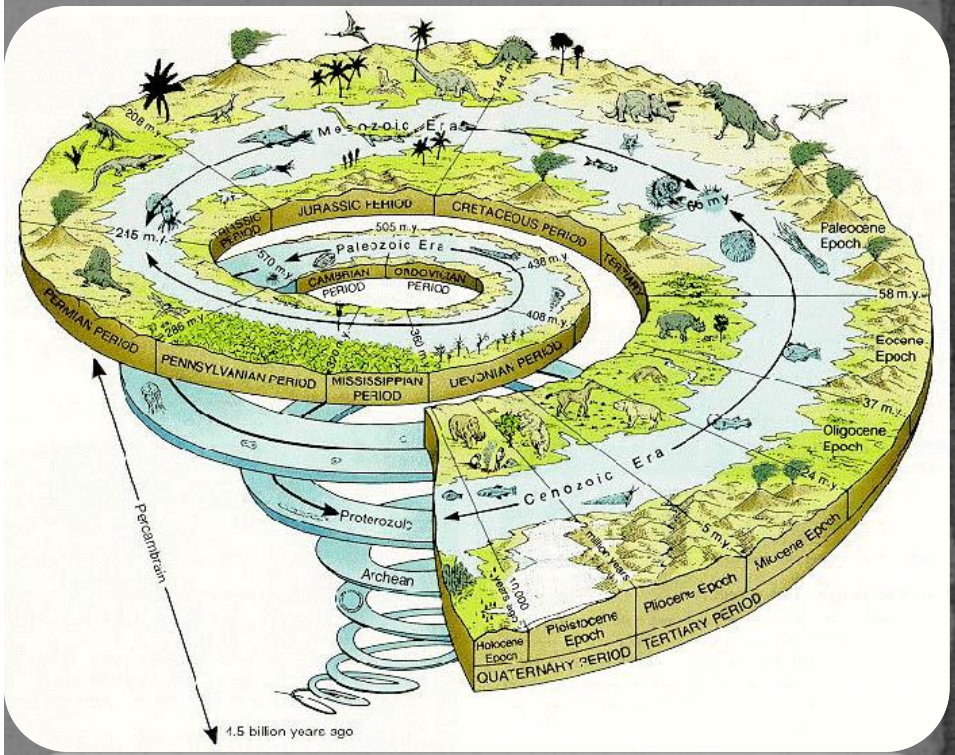

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

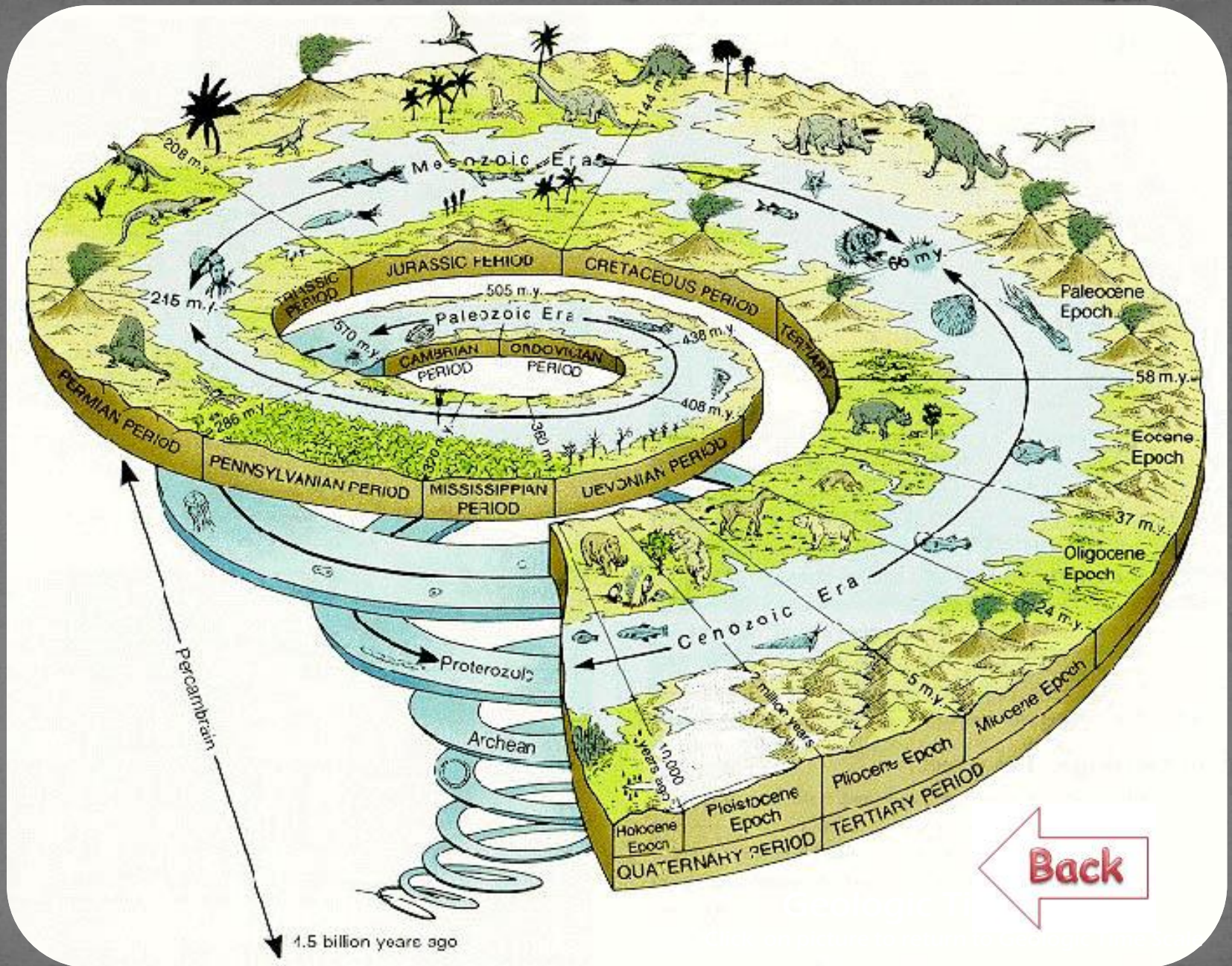
(From Decade of North American Geology, 1983)

Back to Station 13



Geologic Time Spiral

Click on picture to enlarge

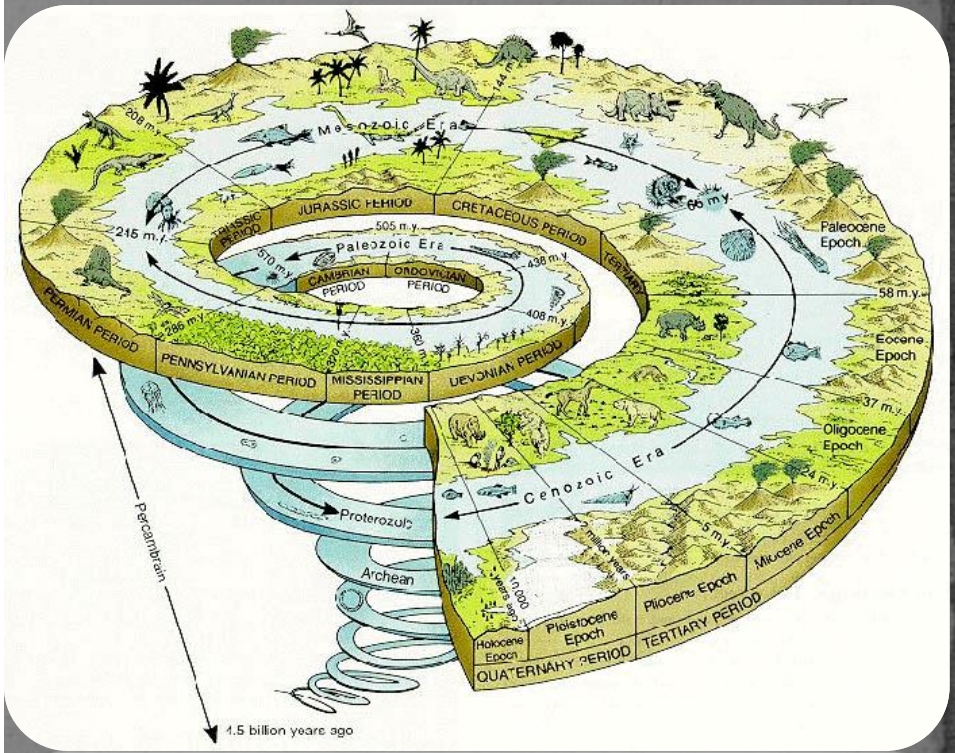

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
				Present
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01
			Pleistocene	1.6
		Tertiary – Neogene	Pliocene	5.3
			Miocene	23.7
		Tertiary – Paleogene	Oligocene	36.6
			Eocene	57.8
			Paleocene	66.4
	Mesozoic	Cretaceous		144
		Jurassic		208
		Triassic		245
	Paleozoic	Permian		286
		Carboniferous – Pennsylvanian		320
		Carboniferous – Mississippian		360
		Devonian		408
		Silurian		438
		Ordovician		505
		Cambrian		570
Precambrian	Proterozoic			2500
	Archean			3800
	Hadean			4550

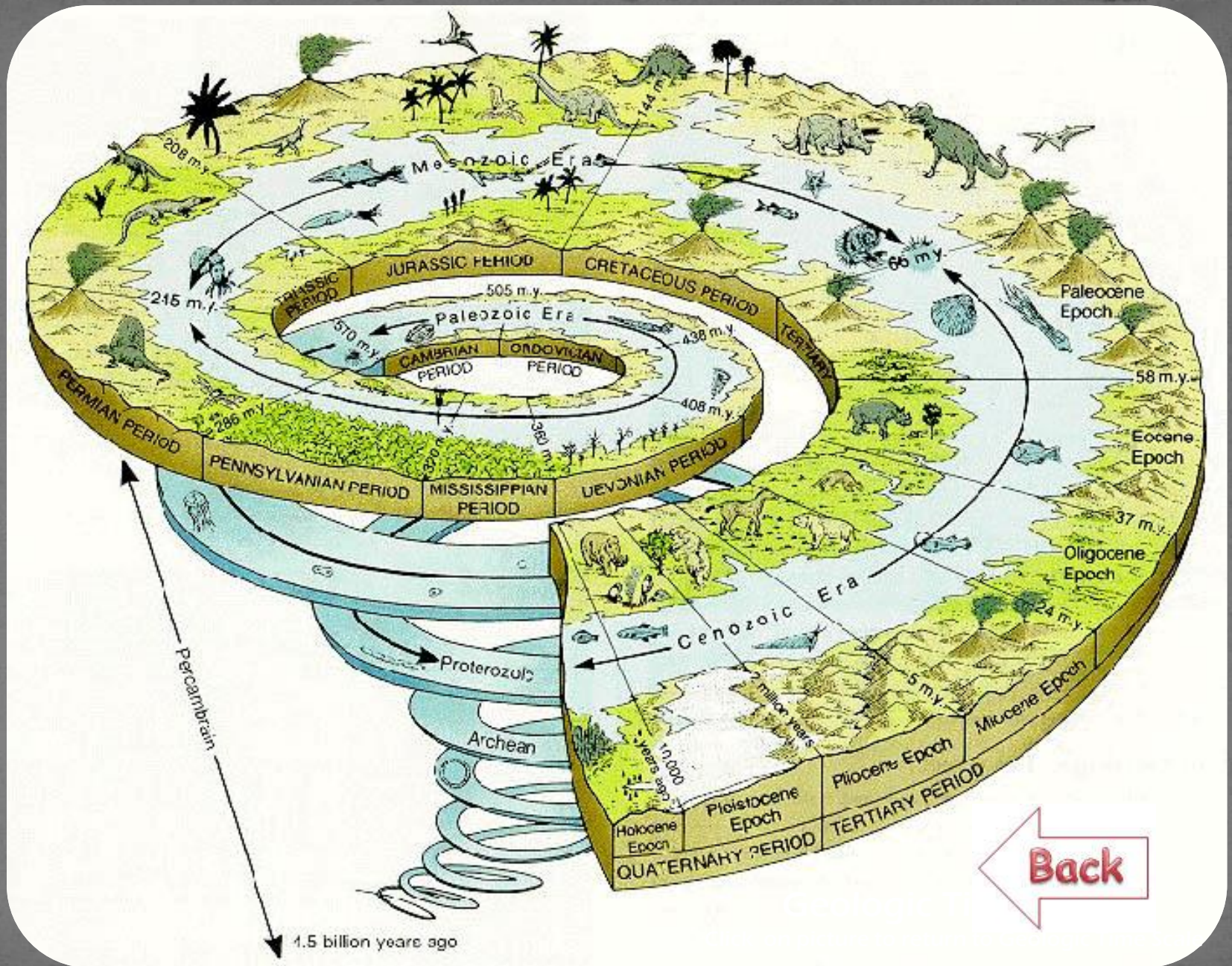
(From Decade of North American Geology, 1983)

Back to Station 15



Geologic Time Spiral

Click on picture to enlarge

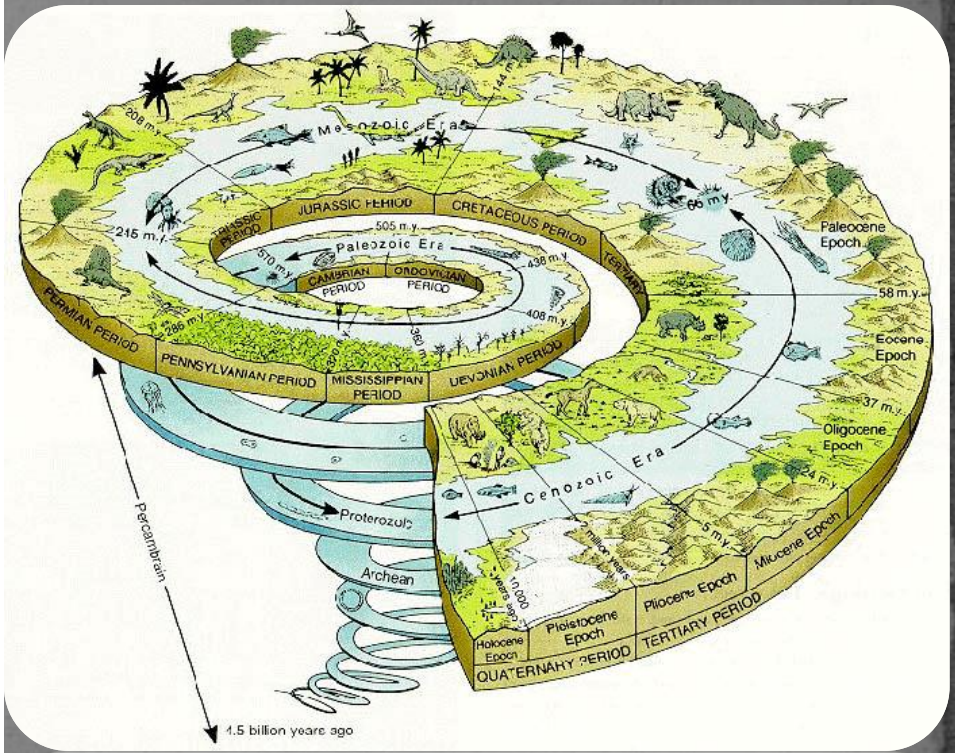

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

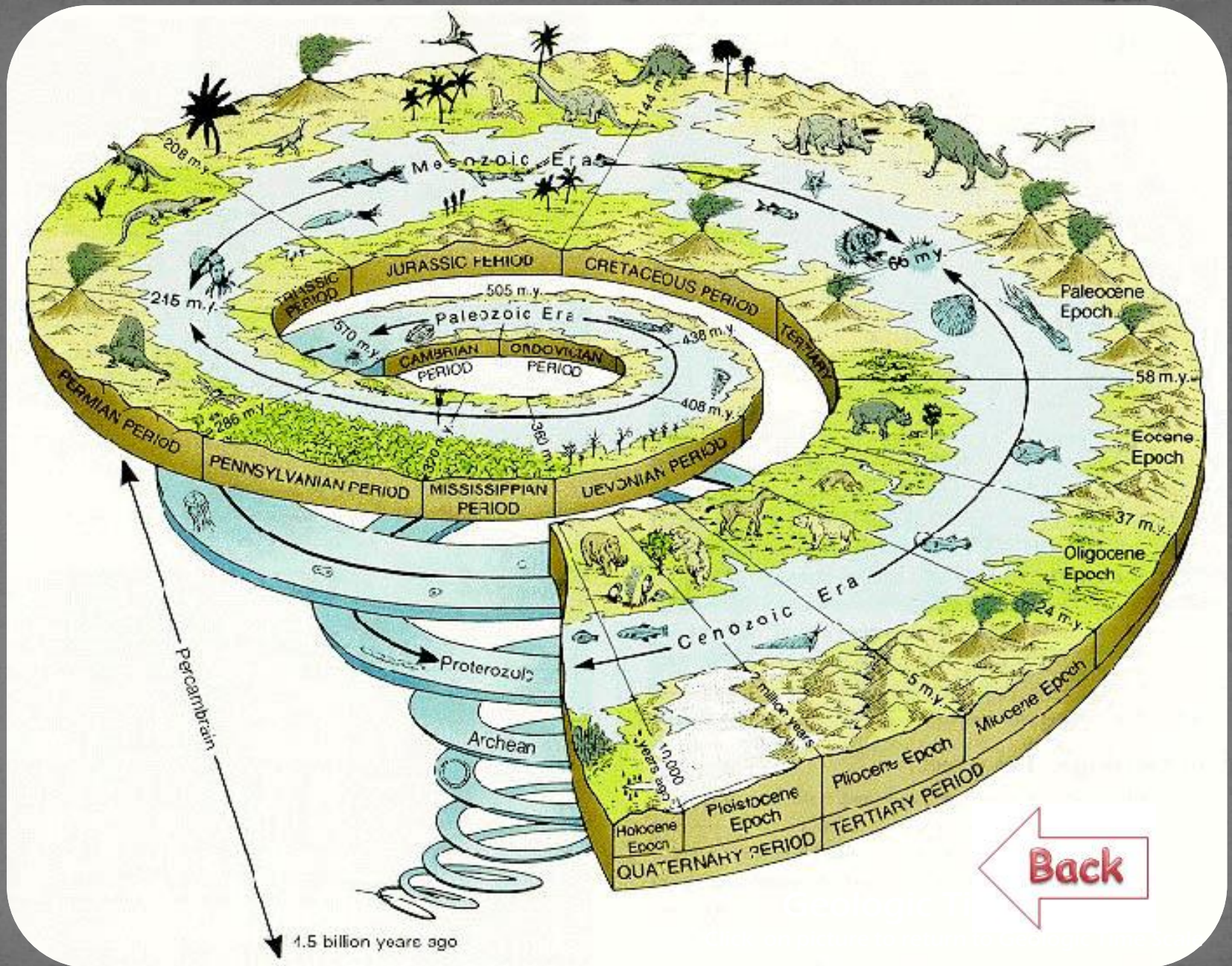
(From Decade of North American Geology, 1983)

Back to Station 16



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

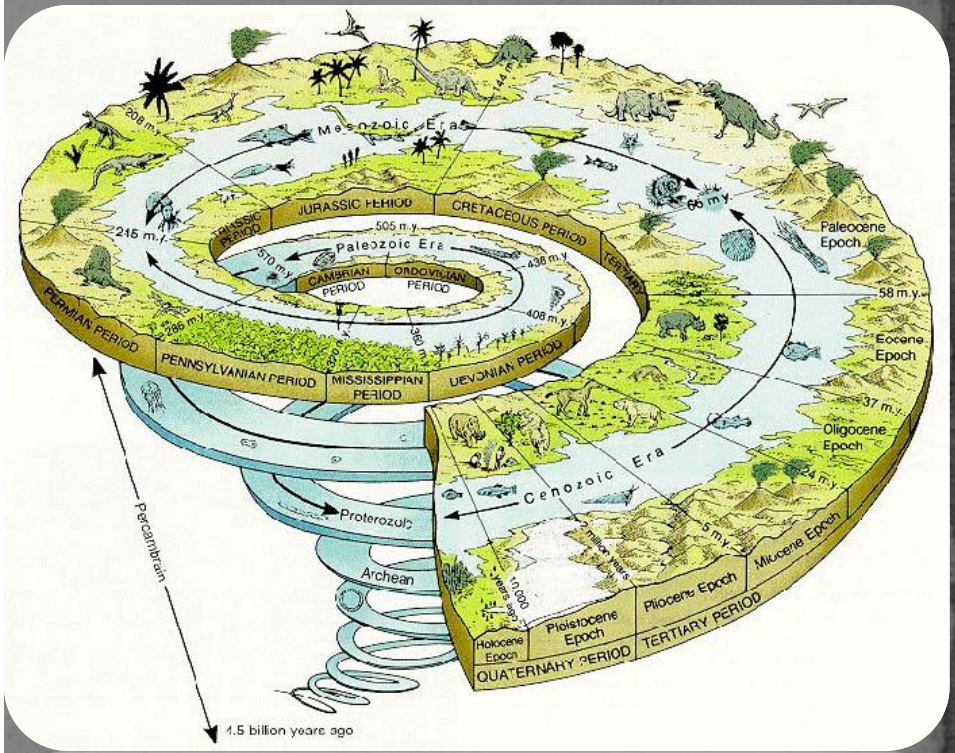
GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	Present
Phanerozoic	Cenozoic	Quaternary	Holocene	
			Pleistocene	0.01
		Tertiary – Neogene	Pliocene	1.6
			Miocene	5.3
		Tertiary – Paleogene	Oligocene	23.7
			Eocene	36.6
			Paleocene	57.8
	Mesozoic	Cretaceous		66.4
		Jurassic		144
		Triassic		208
	Paleozoic	Permian		245
		Carboniferous – Pennsylvanian		286
		Carboniferous – Mississippian		320
		Devonian		360
		Silurian		408
		Ordovician		438
		Cambrian		505
Precambrian	Proterozoic			570
	Archean			2500
	Hadean			3800
				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

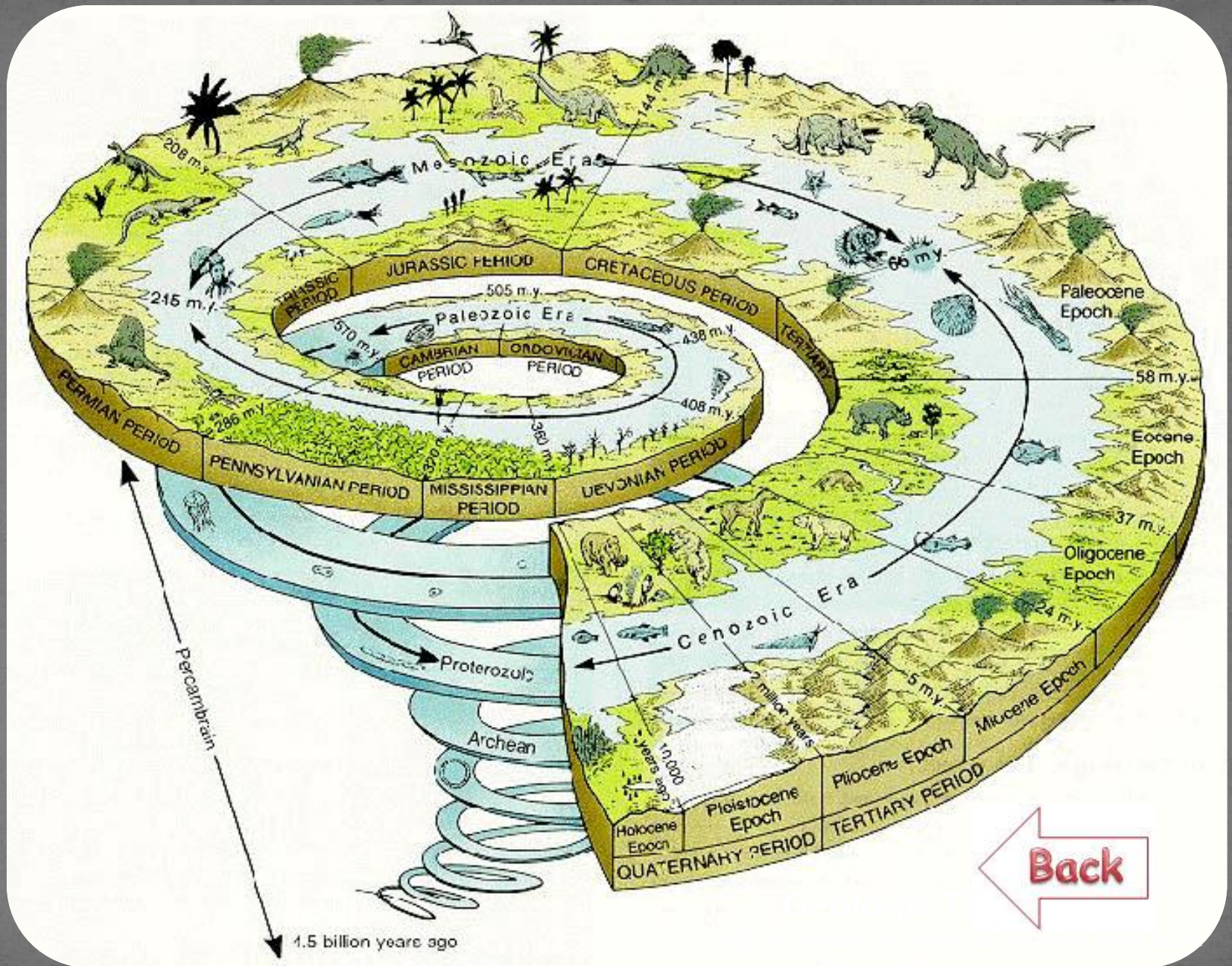
(From Decade of North American Geology, 1983)

Back to Station 17



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

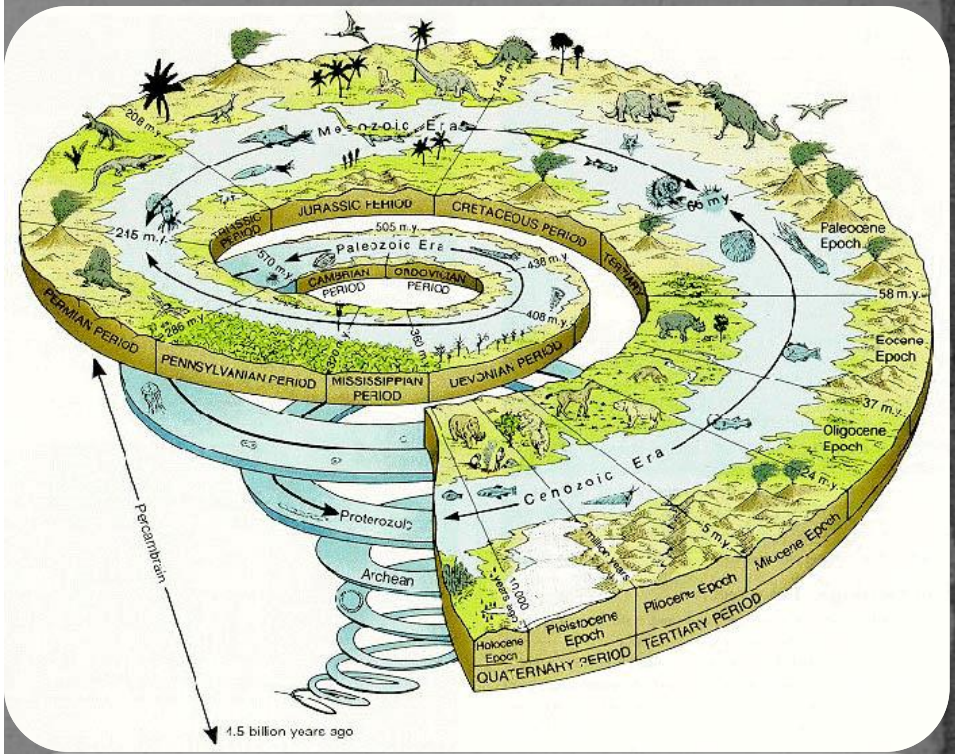
GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

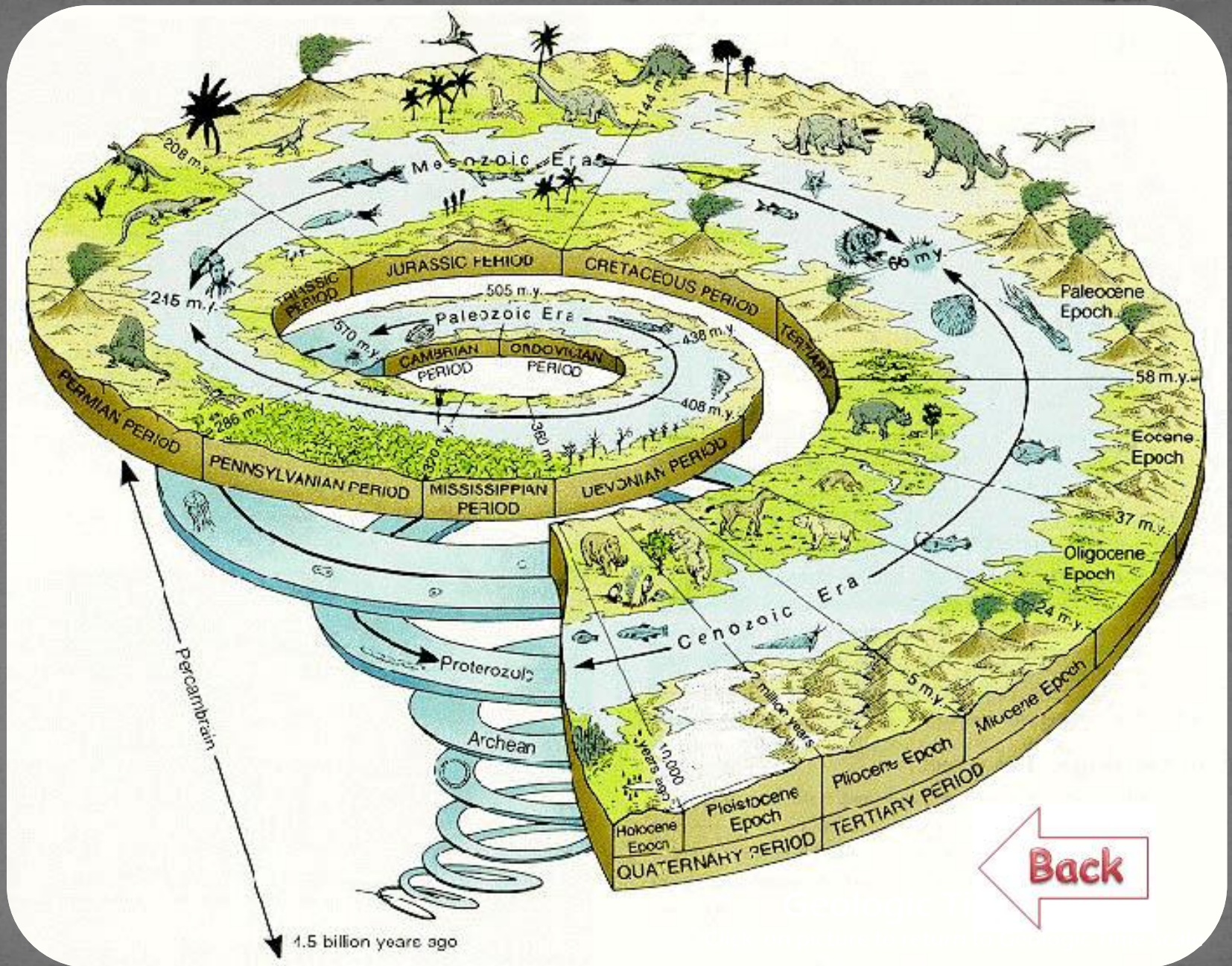
(From Decade of North American Geology, 1983)

Back to Station 18



Geologic Time Spiral

Click on picture to enlarge

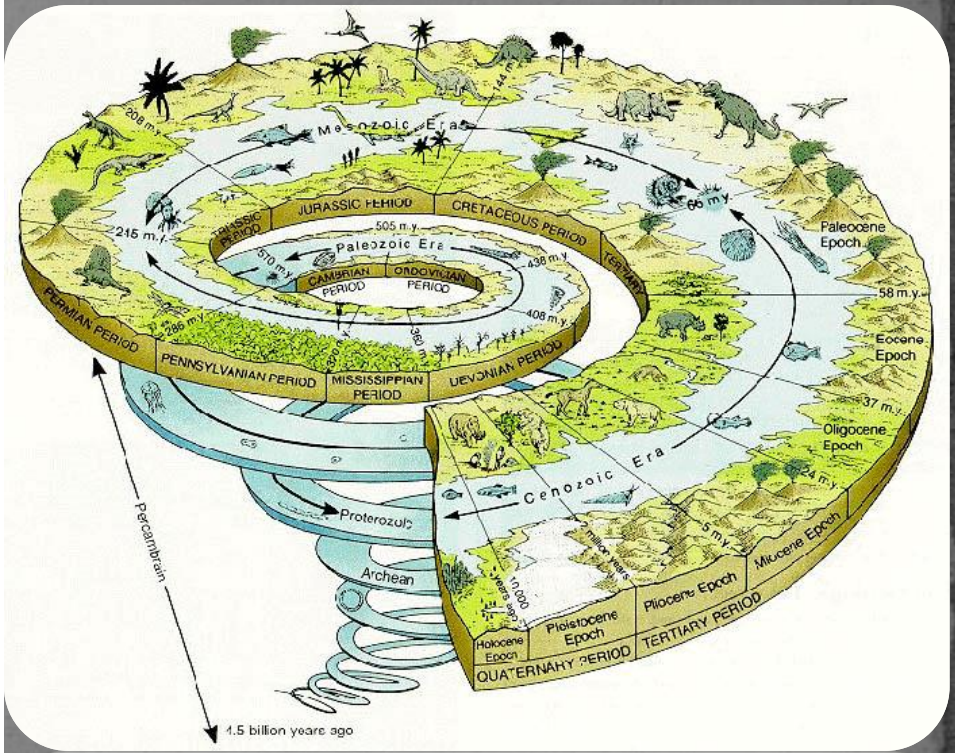

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
				Present
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01
			Pleistocene	1.6
		Tertiary – Neogene	Pliocene	5.3
			Miocene	23.7
		Tertiary – Paleogene	Oligocene	36.6
			Eocene	57.8
			Paleocene	66.4
	Mesozoic	Cretaceous		144
		Jurassic		208
		Triassic		245
	Paleozoic	Permian		286
		Carboniferous – Pennsylvanian		320
		Carboniferous – Mississippian		360
		Devonian		408
		Silurian		438
		Ordovician		505
		Cambrian		570
Precambrian	Proterozoic			2500
	Archean			3800
	Hadean			4550

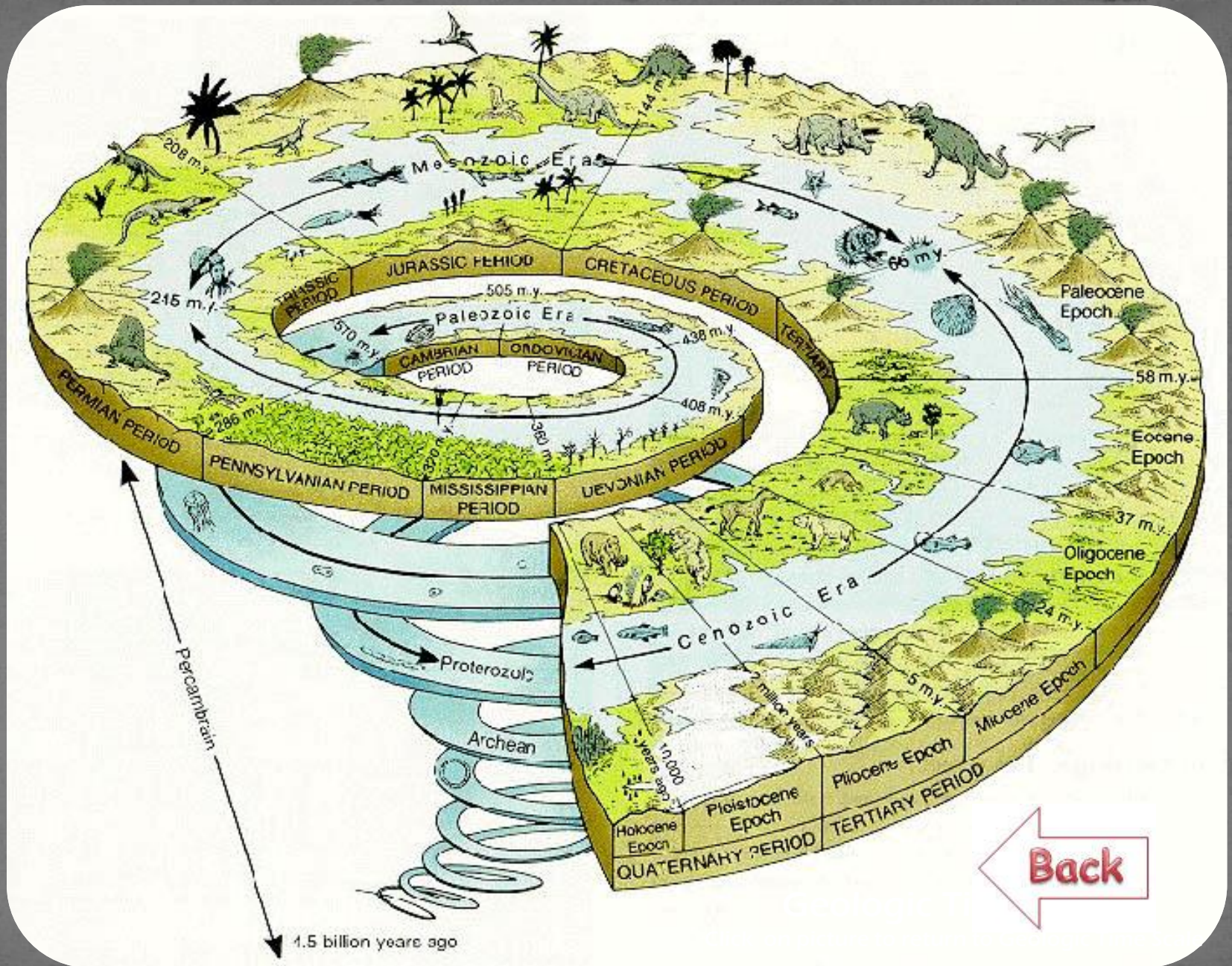
(From Decade of North American Geology, 1983)

Back to Station 19



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

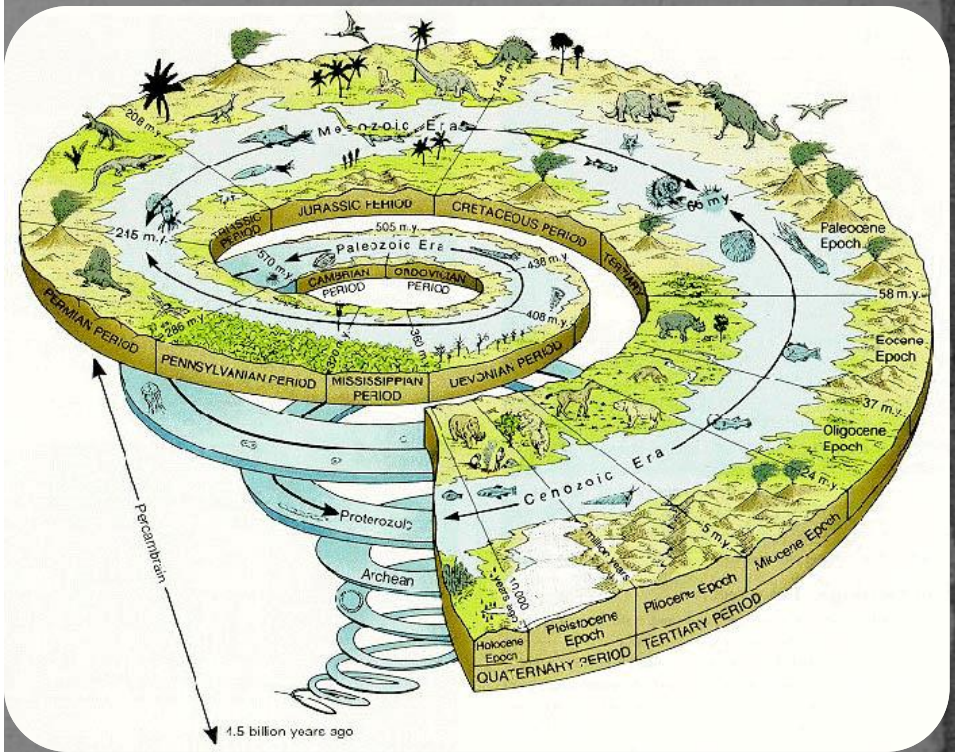
GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	
Phanerozoic	Cenozoic	Quaternary		Holocene	Present
				Pleistocene	0.01
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
			Paleogene	Oligocene	23.7
				Eocene	36.6
				Paleocene	57.8
	Mesozoic	Cretaceous			66.4
		Jurassic			144
		Triassic			208
	Paleozoic	Permian			245
		Carboniferous	Pennsylvanian		286
			Mississippian		320
		Devonian			360
		Silurian			408
		Ordovician			438
		Cambrian			505
Precambrian	Proterozoic				570
	Archean				2500
	Hadean				3800
					4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

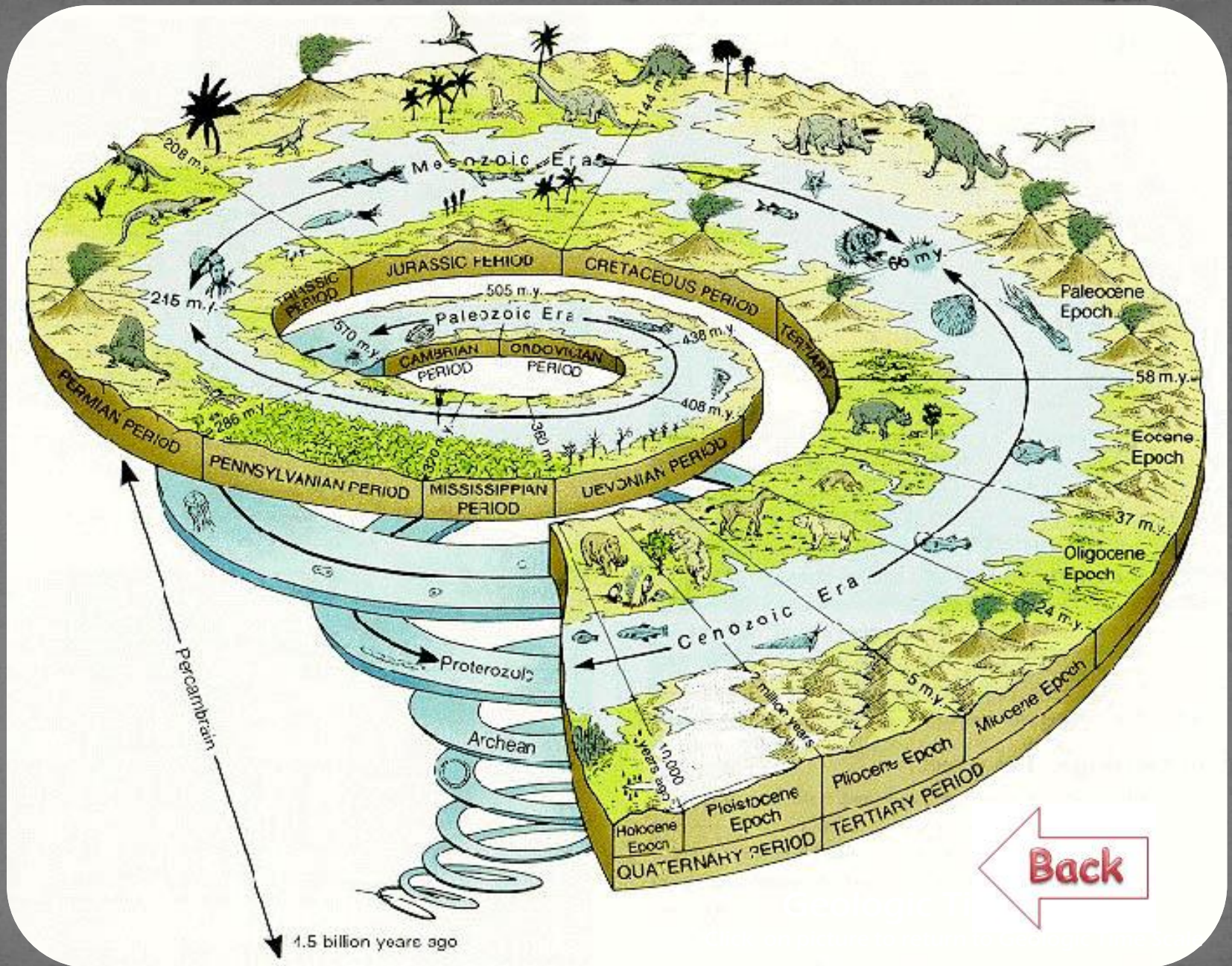
(From Decade of North American Geology, 1983)

Back to Station 20



Geologic Time Spiral

Click on picture to enlarge

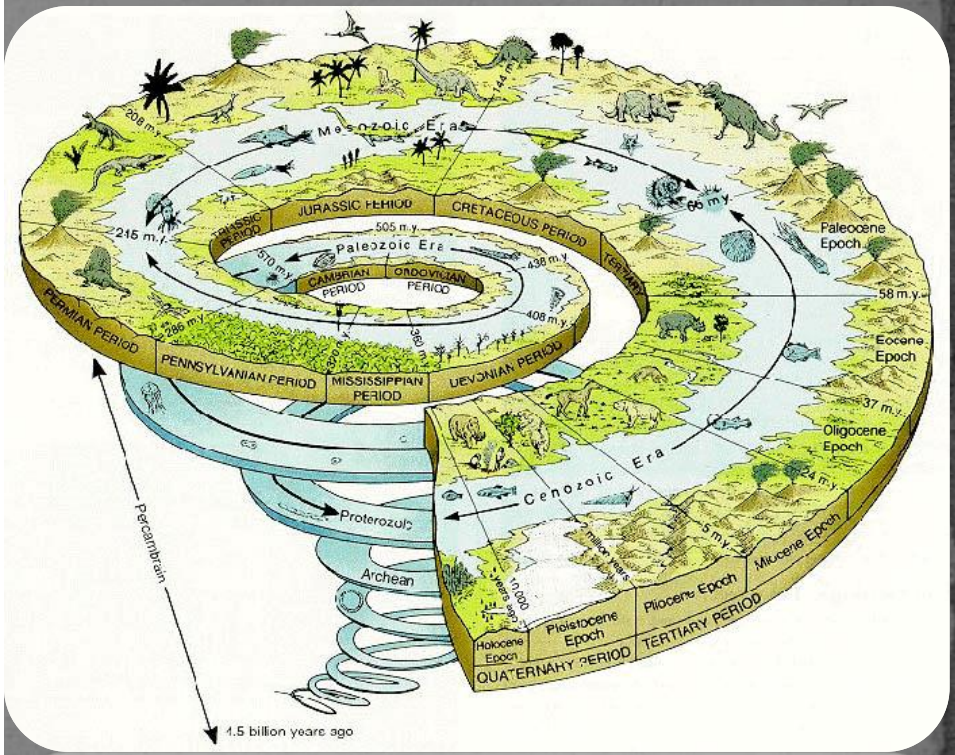

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD		EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
					Present
Phanerozoic	Cenozoic	Quaternary		Holocene	0.01
				Pleistocene	1.6
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
			Paleogene	Oligocene	36.6
				Eocene	57.8
				Paleocene	66.4
	Mesozoic	Cretaceous			144
		Jurassic			208
		Triassic			245
	Paleozoic	Permian			286
		Carboniferous	Pennsylvanian		320
			Mississippian		360
		Devonian			408
		Silurian			438
		Ordovician			505
		Cambrian			570
Precambrian	Proterozoic				2500
	Archean				3800
	Hadean				4550

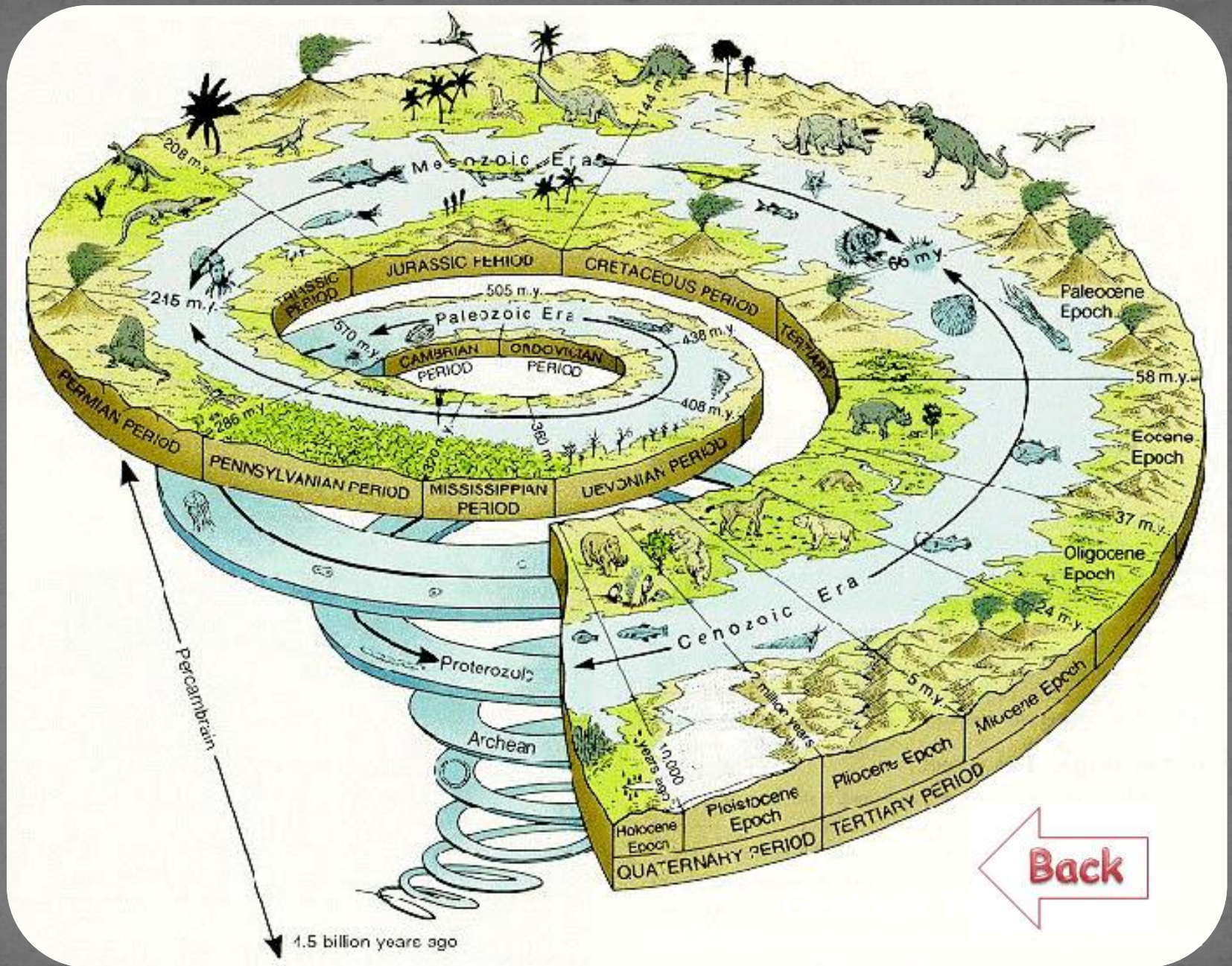
(From Decade of North American Geology, 1983)

Back to Station 21



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT
				Present
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01
			Pleistocene	1.6
		Tertiary – Neogene	Pliocene	5.3
			Miocene	23.7
		Tertiary – Paleogene	Oligocene	36.6
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		Jurassic		208
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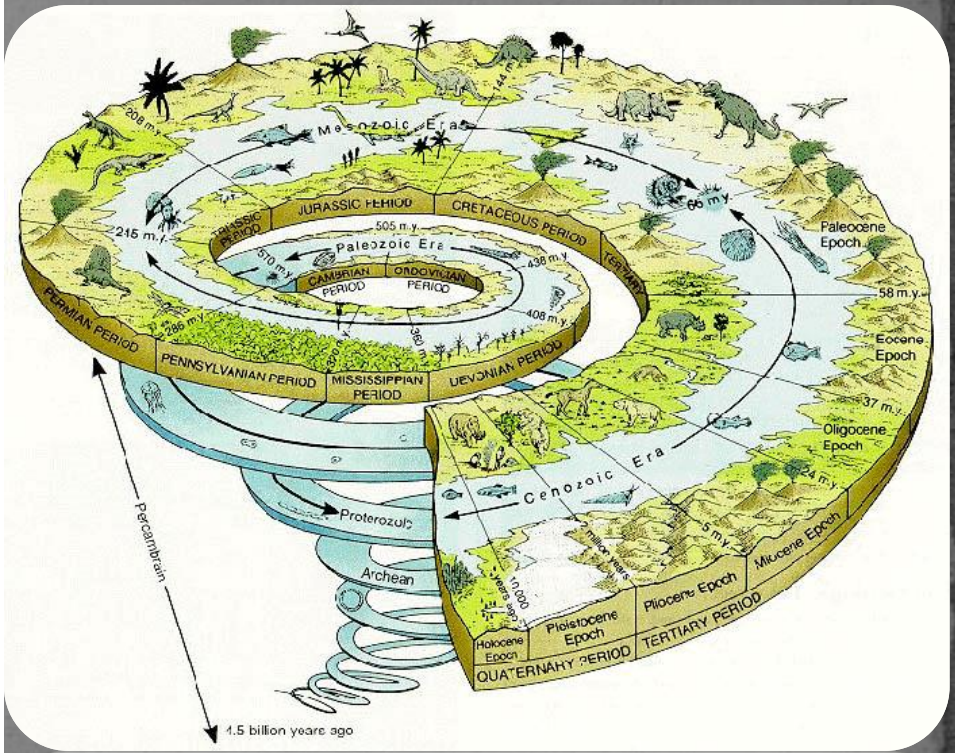
		Carboniferous – Mississippian		360
		Devonian		408
		Silurian		438
		Ordovician		505
		Cambrian		570
Precambrian	Proterozoic			2500
	Archean			3800
	Hadean			4550

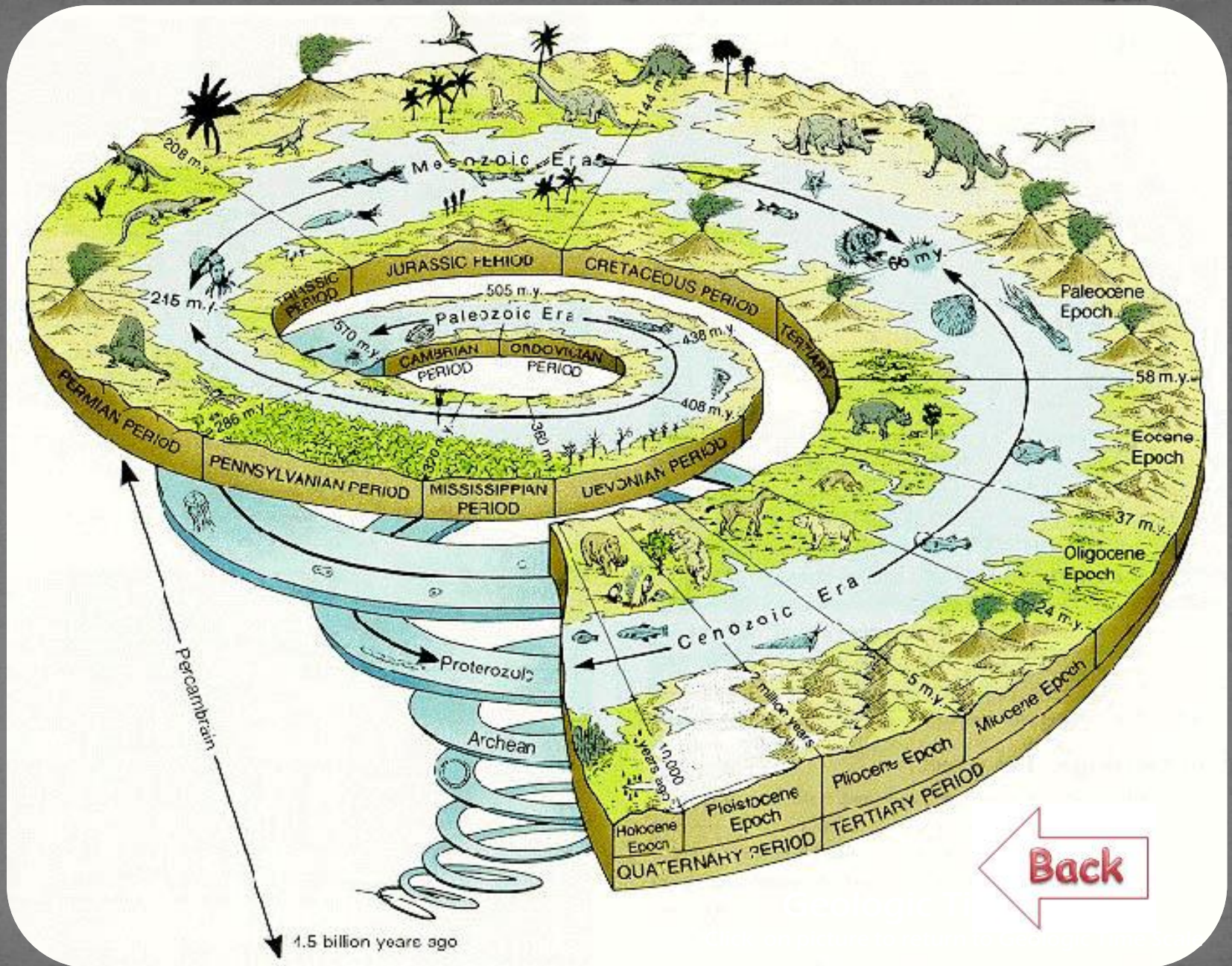
(From Decade of North American Geology, 1983)

Back to Station 22



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	Present
Phanerozoic	Cenozoic	Quaternary	Holocene	
			Pleistocene	0.01
		Tertiary – Neogene	Pliocene	1.6
			Miocene	5.3
		Tertiary – Paleogene	Oligocene	23.7
			Eocene	36.6
			Paleocene	57.8
	Mesozoic	Cretaceous		66.4
		Jurassic		144
		Triassic		208
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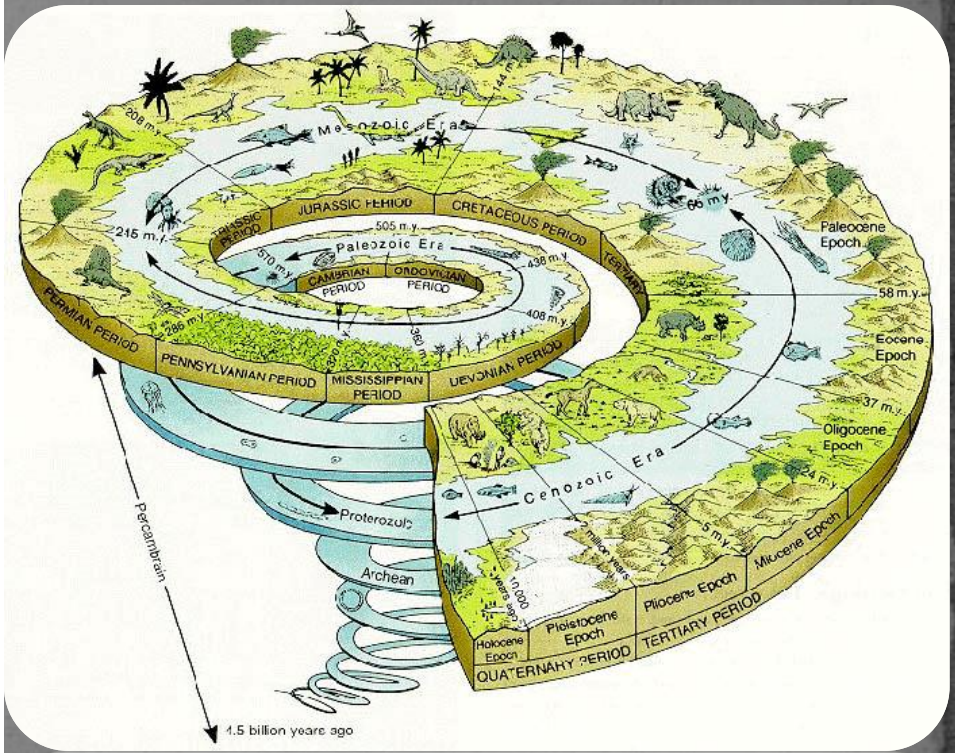
		Carboniferous – Mississippian		320
		Devonian		360
		Silurian		408
		Ordovician		438
		Cambrian		505
Precambrian	Proterozoic			570
	Archean			2500
	Hadean			3800
				4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

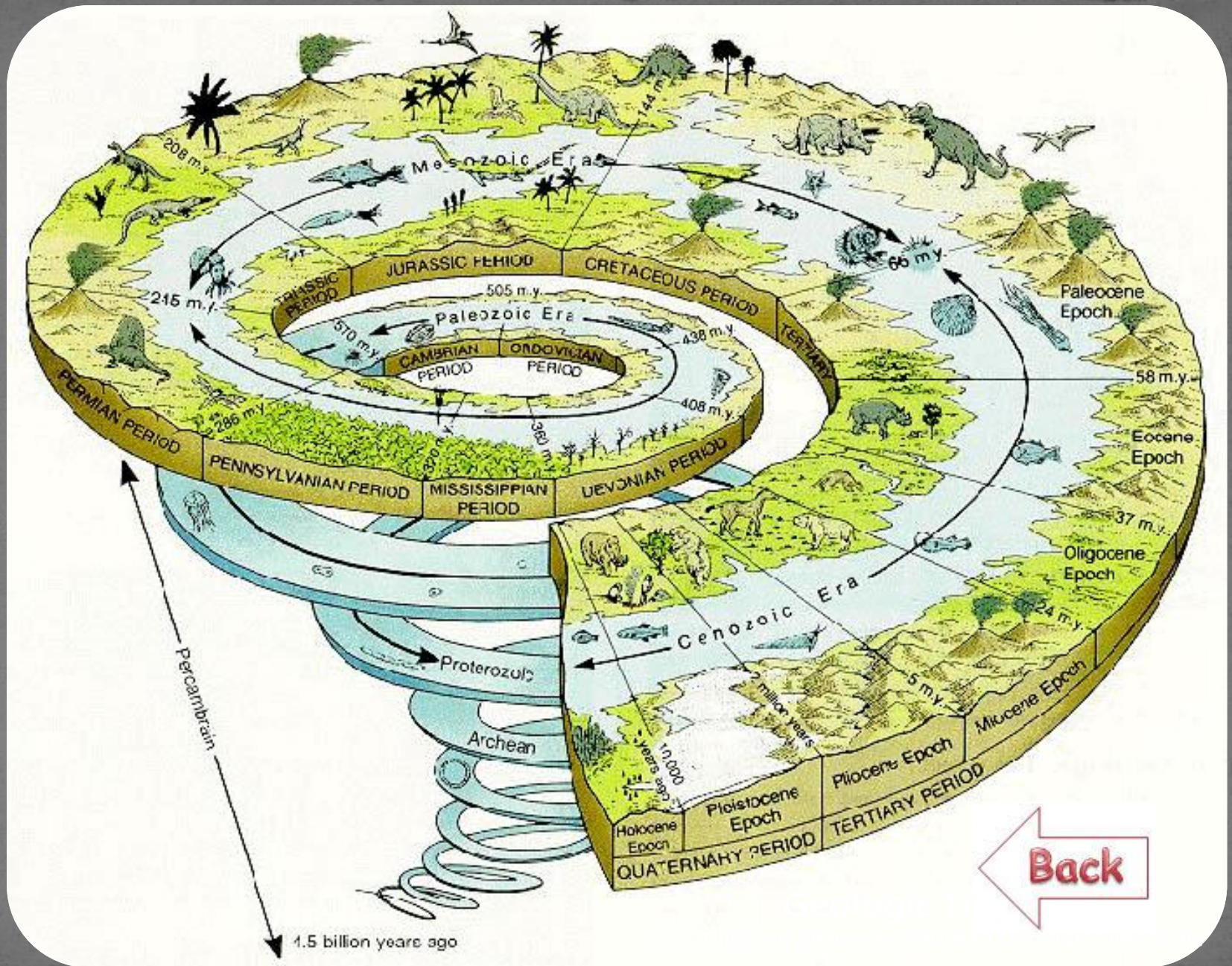
(From Decade of North American Geology, 1983)

Back to Station 23



Geologic Time Spiral

Click on picture to enlarge


Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

GEOLOGIC TIME SCALE

EON	ERA	PERIOD	EPOCH	
				Present
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01
			Pleistocene	1.6
		Tertiary – Neogene	Pliocene	5.3
			Miocene	23.7
		Tertiary – Paleogene	Oligocene	36.6
			Eocene	57.8
			Paleocene	66.4
	Mesozoic	Cretaceous		144
		Jurassic		208
		Triassic		245
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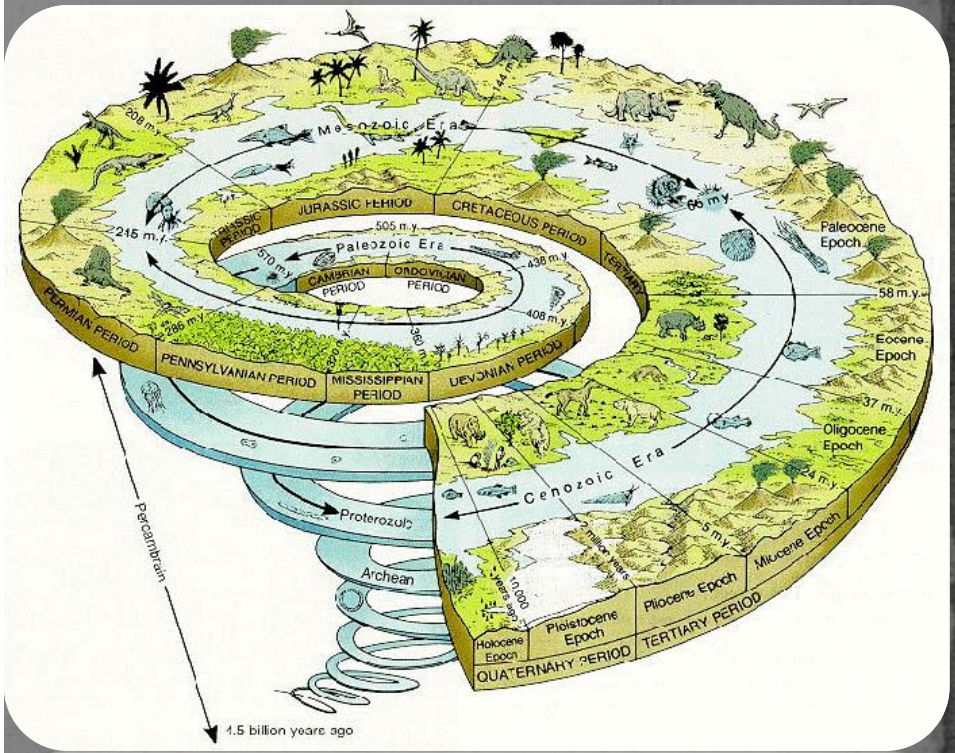
		Carboniferous – Mississippian		360
		Devonian		408
		Silurian		438
		Ordovician		505
		Cambrian		570
Precambrian	Proterozoic			2500
	Archean			3800
	Hadean			4550

AGE IN MILLIONS OF YEARS BEFORE PRESENT

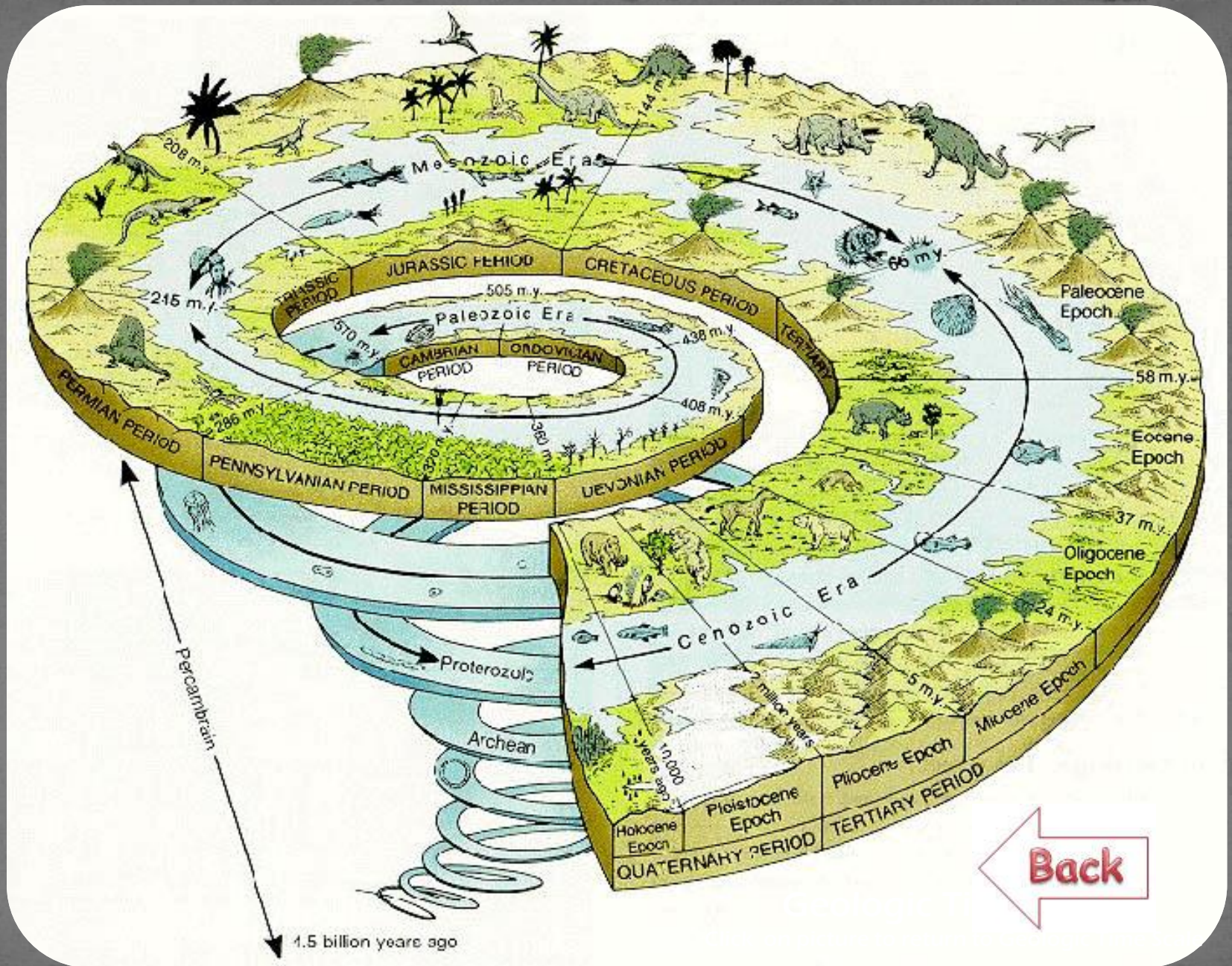
(From Decade of North American Geology, 1983)

Back to Station 24



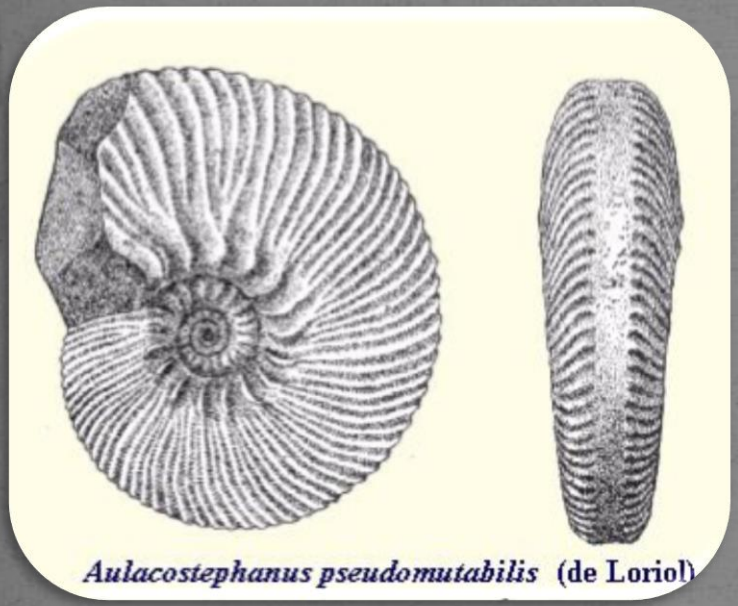
Geologic Time Spiral

Click on picture to enlarge

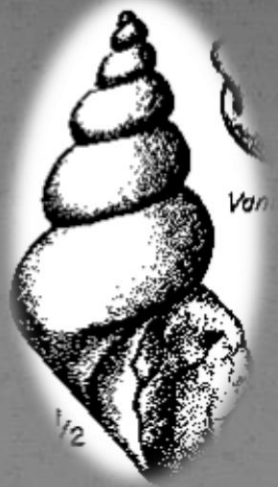

Mesozoic Era
208 m.y.
144 m.y.
66 m.y.
215 m.y.
505 m.y.
Paleozoic Era
510 m.y.
438 m.y.
408 m.y.
360 m.y.
286 m.y.
JURASSIC PERIOD
CRETACEOUS PERIOD
TRIASSIC PERIOD
TERTIARY
CAMBRIAN PERIOD
ORDOVICIAN PERIOD
PERMIAN PERIOD
PENNSYLVANIAN PERIOD
MISSISSIPPIAN PERIOD
DEVONIAN PERIOD
Paleocene Epoch
58 m.y.
Eocene Epoch
37 m.y.
Oligocene Epoch
24 m.y.
Cenozoic Era
5 m.y.
Miocene Epoch
Pliocene Epoch
2 million years
10,000 years ago
Pleistocene Epoch
Holocene Epoch
QUATERNARY PERIOD
TERTIARY PERIOD
Proterozoic
Archean
Precambrian
1.5 billion years ago
Back

Return to Station 3

Return to Index

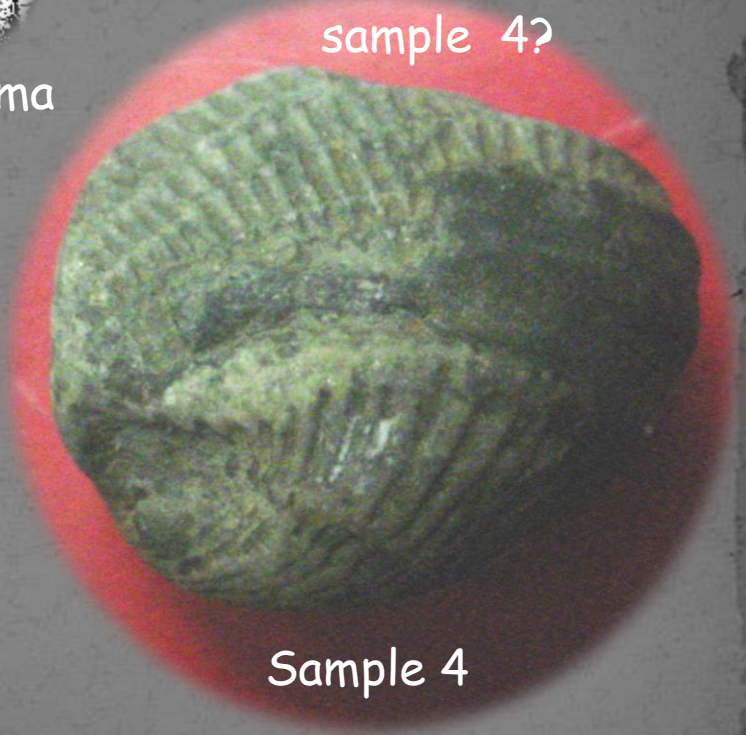


Aulacostephanus



Hormotoma

CLUE: Which of these three samples looks the most like our sample 4?

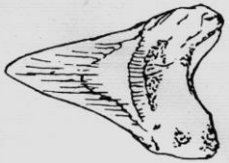


Sample 4

Trochonema

Acanthoscaphites
(Cretaceous)

Carcharodon
(shark tooth; Tertiary-Miocene)



Crinoid
(sea "lily" stem, Mississippian)

Return to Station 4

Flexicalymene meeki
(Silurian)

Meekoceras gracilitatis
(Triassic)

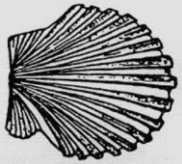
Merychippus
(horse tooth; Tertiary-Miocene)

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)

Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

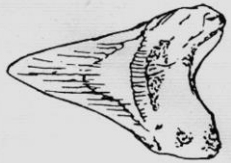
Tetragramma agassizi
(sea urchin; Cretaceous)

Turritella alticostata
(Tertiary)

Venericardia robustus
(clam; Tertiary-Quaternary)

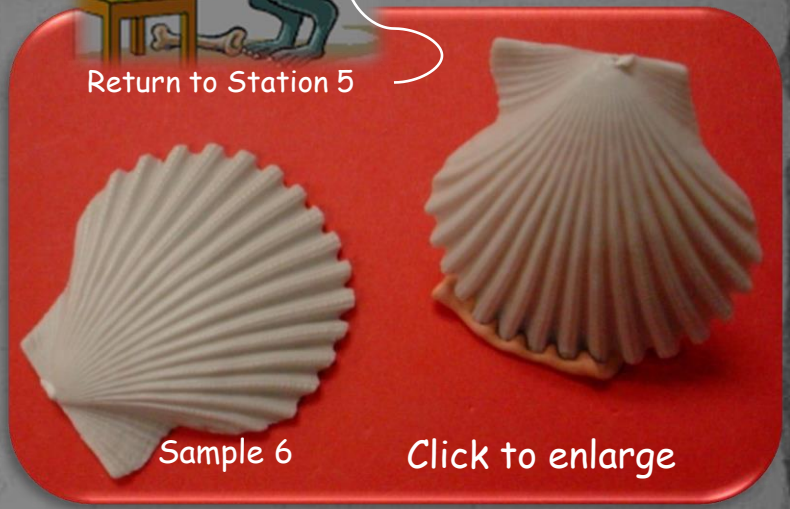
Acanthoscaphites
(Cretaceous)

Carcharodon
(shark tooth; Tertiary-Miocene)



Crinoid
(sea "lily" stem, Mississippian)

Return to Station 5



Flexicalymene meeki
(Silurian)

Meekoceras gracilitatis
(Triassic)

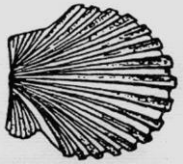
Merychippus
(horse tooth; Tertiary-Miocene)

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)

Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

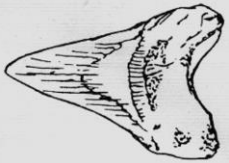
Tetragramma agassizi
(sea urchin; Cretaceous)

Turritella alticostata
(Tertiary)

Venericardia robustus
(clam; Tertiary-Quaternary)

Acanthoscaphites
(Cretaceous)

Carcharodon
(shark tooth; Tertiary-Miocene)



Flexicalymene meeki
(Silurian)

Meekoceras gracilitatis
(Triassic)

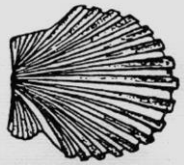
Mucrospirifer thedfordensis
(Devonian)

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)

Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

Tetragramma agassizi
(sea urchin; Cretaceous)

Turritella alticostata
(Tertiary)

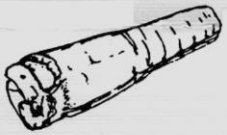
Venericardia robustus
(clam; Tertiary-Quaternary)

Eospirifer radiatus
(Silurian)

Equus
(horse tooth; Quaternary)

Merychippus
(horse tooth; Tertiary-Miocene)

Michelinoceras sociale
(Ordovician)



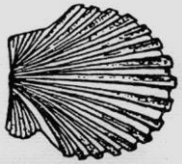
Mucrospirifer thedfordensis
(Devonian)

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)

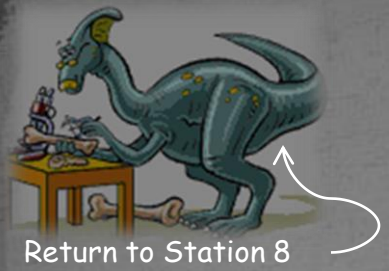
Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

Tetragramma agassizi
(sea urchin; Cretaceous)

Turritella alticostata
(Tertiary)

Venericardia robustus
(clam; Tertiary-Quaternary)



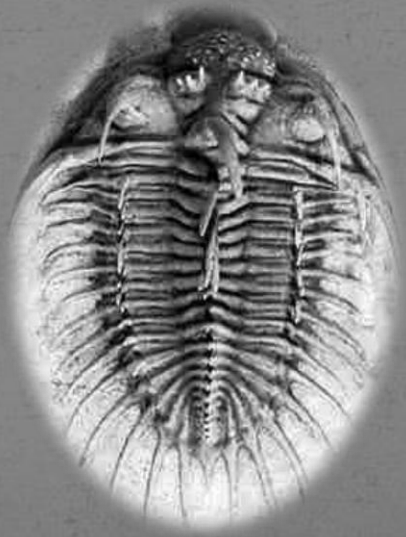
Return to Station 8

Return to Index

Isotelus

CLUE: Which of these three samples looks the most like our sample 12?

Calymene

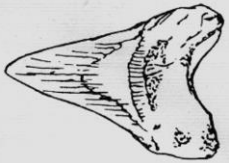


Olenoides

Sample 12

Acanthoscaphites
(Cretaceous)

Carcharodon
(shark tooth; Tertiary-Miocene)



Return to Station 9

Flexicalymene meeki
(Silurian)

Meekoceras gracilitatis
(Triassic)

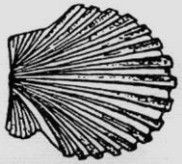
Merychippus
(horse tooth; Tertiary-Miocene)

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)

Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

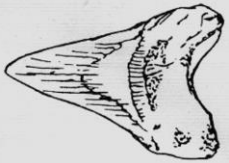
Tetragramma agassizi
(sea urchin; Cretaceous)

Turritella alticostata
(Tertiary)

Venericardia robustus
(clam; Tertiary-Quaternary)

Acanthoscaphites
(Cretaceous)

Carcharodon
(shark tooth; Tertiary-Miocene)



Crinoid
(sea "lily" stem, Mississippian)

Eospirifer radiatus
(Silurian)

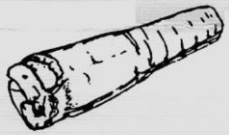
Equus
(horse tooth; Quaternary)

Flexicalymene meeki
(Silurian)

Meekoceras gracilitatis
(Triassic)

Merychippus
(horse tooth; Tertiary-Miocene)

Michelinoceras sociale
(Ordovician)



Return to Station 10

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

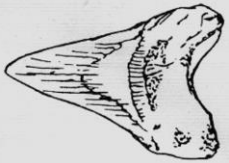
Tetragramma agassizi
(sea urchin; Cretaceous)

Acanthoscaphites

(Cretaceous)

Carcharodon

(shark tooth; Tertiary-Miocene)



Return to Station 11

Flexicalymene meeki

(Silurian)

Meekoceras gracilitatis

(Triassic)

Merychippus

(horse tooth; Tertiary-Miocene)

Munsteroceras parallelum

(Mississippian)

Neospirifer triplicatus

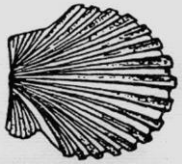
(Pennsylvanian)

Oleneothyris harlani

(Cretaceous)

Pecten jeffersonius

Tertiary-Quaternary)



Pentremites

(Mississippian)

Phacops rana

(Devonian)

Spirifer pellaensis

(Mississippian)

Tetragramma agassizi

(sea urchin; Cretaceous)

Turritella alticostata

(Tertiary)

Venericardia robustus

(clam; Tertiary-Quaternary)

Sample 16

Click to enlarge

Return to Station 12

Eospirifer radiatus

(Silurian)

Equus

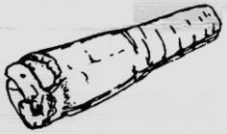
(horse tooth; Quaternary)

Merychippus

(horse tooth; Tertiary-Miocene)

Michelinoceras sociale

(Ordovician)



Mucrospirifer thedfordensis

(Devonian)

Munsteroceras parallelum

(Mississippian)

Neospirifer triplicatus

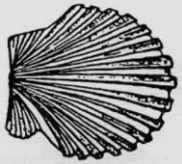
(Pennsylvanian)

Oleneothyris harlani

(Cretaceous)

Pecten jeffersonius

Tertiary-Quaternary)



Pentremites

(Mississippian)

Phacops rana

(Devonian)

Spirifer pellaensis

(Mississippian)

Tetragramma agassizi

(sea urchin; Cretaceous)

Turritella alticostata

(Tertiary)

Venericardia robustus

(clam; Tertiary-Quaternary)

Pelecypod (clam)

click to enlarge

Sample 17

Return to Station 13

Eospirifer radiatus

(Silurian)

Equus

(horse tooth; Quaternary)

click to enlarge

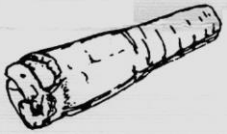
Sample 18

Merychippus

(horse tooth; Tertiary-Miocene)

Michelinoceras sociale

(Ordovician)



Mucrospirifer thedfordensis

(Devonian)

Munsteroceras parallelum

(Mississippian)

Neospirifer triplicatus

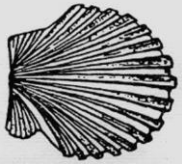
(Pennsylvanian)

Oleneothyris harlani

(Cretaceous)

Pecten jeffersonius

Tertiary-Quaternary)



Pentremites

(Mississippian)

Phacops rana

(Devonian)

Spirifer pellaensis

(Mississippian)

Tetragramma agassizi

(sea urchin; Cretaceous)

Turritella alticostata

(Tertiary)

Venericardia robustus

(clam; Tertiary-Quaternary)

Pelecypod (clam)

Return to Station 15

Return to Index

NATURE STUDY AIDS

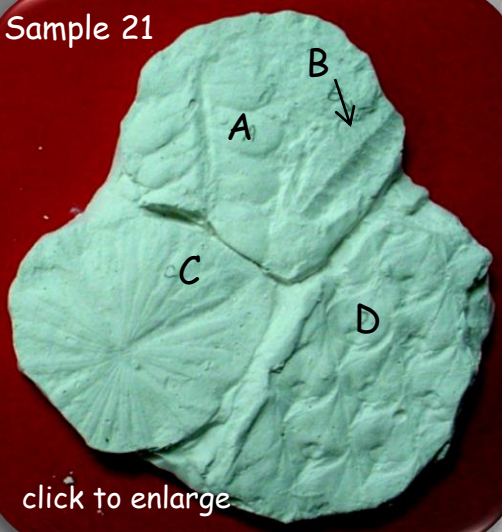
ATKINSON, WISCONSIN 53538

Scientific Name

NEUROPTERIS (SEED-FERN) with blade like leaf

ANNULARIA (SCOURING-RUSH)

Sample 21



click to enlarge

FISH
40 MILLION YEARS AGO.

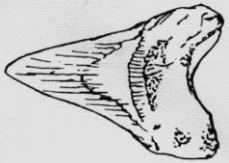
PECOPTERIS (SEED-FERN)

300 Million years ago

LEPIDODENDRON (SCALE-TREE
300 Million years ago.

Acanthoscaphites
(Cretaceous)

Carcharodon
(shark tooth; Tertiary-Miocene)



Crinoid
(sea "lily" stem, Mississippian)

Eospirifer radiatus
(Silurian)

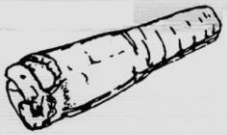
Equus
(horse tooth; Quaternary)

Flexicalymene meeki
(Silurian)

Meekoceras gracilitatis
(Triassic)

Merychippus
(horse tooth; Tertiary-Miocene)

Michelinoceras sociale
(Ordovician)



Return to Station 16

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

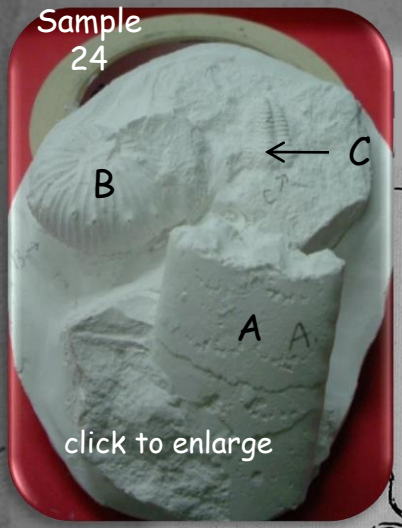
Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

Tetragramma agassizi
(sea urchin; Cretaceous)

click to enlarge

Return to Index



Return to Station 17

TRILOBITE (THREE-LOBE)
From 600 Million to
250 Million years ago.

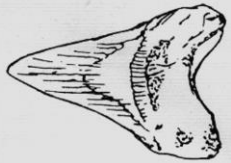
Your replica- 500 Million years.

CEPHALOPOD (HEAD-FOOT)
From 600 Million years ago to present .
Your replica - 100 Million years old.

Return to Station 18

Carcharodon

(shark tooth; Tertiary-Miocene)



Crinoid

(sea "lily" stem, Mississippian)

Eospirifer radiatus

(Silurian)

Equus

(horse tooth; Quaternary)

Flexicalymene meeki

(Silurian)

Meekoceras gracilitatis

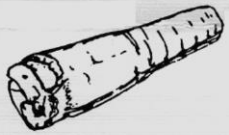
(Triassic)

Merychippus

(horse tooth; Tertiary-Miocene)

Michelinoceras sociale

(Ordovician)



Mucrospirifer thedfordensis

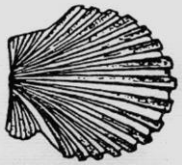
(Devonian)

Oleneothyris harlani

(Cretaceous)

Pecten jeffersonius

Tertiary-Quaternary)



Pentremites

(Mississippian)

Tetragramma agassizi

(sea urchin; Cretaceous)

Turritella alticostata

(Tertiary)

Venericardia robustus

(clam; Tertiary-Quaternary)

Return to Station 19

Return to Index

O NATURE STUDY AIDS

T ATKINSON, WISCONSIN 53538

Scientific Name

NEUROPTERIS (SEED-FERN) with blade like leaf

ANNULARIA (SCOURING-RUSH)

Sample 28

click to enlarge

FISH
40 MILLION YEARS AGO.

PECOPTERIS (SEED-FERN)

LEPIDODENDRON (SCALE-TREE
300 Million years ago.

300 Million years ago

Return to Index

Sample 29

click to enlarge

STUDY AID

NSIN 53538

Return to Station 20

BRYOZOA (MOSS-ANIMAL)
Over 500 Million years ago to present

BRACHIPOD (ARM-FOOT)
From 600 Million years ago to present

CRINOID (LILY-FORM)
From 500 Million years ago to present.

Your replica - 450 Million years ago.

click to enlarge

Sample 30

Return to Station 21

Eospirifer radiatus

(Silurian)

Equus

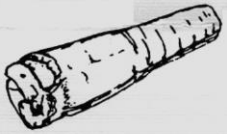
(horse tooth; Quaternary)

Merychippus

(horse tooth; Tertiary-Miocene)

Michelinoceras sociale

(Ordovician)



Mucrospirifer thedfordensis

(Devonian)

Munsteroceras parallelum

(Mississippian)

Neospirifer triplicatus

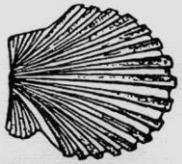
(Pennsylvanian)

Oleneothyris harlani

(Cretaceous)

Pecten jeffersonius

Tertiary-Quaternary)



Pentremites

(Mississippian)

Phacops rana

(Devonian)

Spirifer pellaensis

(Mississippian)

Tetragramma agassizi

(sea urchin; Cretaceous)

Turritella alticostata

(Tertiary)

Venericardia robustus

(clam; Tertiary-Quaternary)

Pelecypod (clam)

Return to Station 22

Return to Index

NATURE STUDY AIDS

ATKINSON, WISCONSIN 53538

Scientific Name

NEUROPTERIS (SEED-FERN) with blade like leaf

ANNULARIA (SCOURING-RUSH)

Sample 31

click to enlarge

FISH
40 MILLION YEARS AGO.

PECOPTERIS (SEED-FERN)

LEPIDODENDRON (SCALE-TREE
300 Million years ago.

300 Million years ago

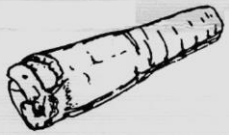
Return to Station 23

Eospirifer radiatus
(Silurian)

Equus
(horse tooth; Quaternary)

Merychippus
(horse tooth; Tertiary-Miocene)

Michelinoceras sociale
(Ordovician)



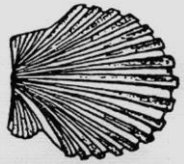
Mucrospirifer thedfordensis
(Devonian)

Munsteroceras parallelum
(Mississippian)

Neospirifer triplicatus
(Pennsylvanian)

Oleneothyris harlani
(Cretaceous)

Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)

Phacops rana
(Devonian)

Spirifer pellaensis
(Mississippian)

Tetragramma agassizi
(sea urchin; Cretaceous)

Turritella alticostata
(Tertiary)

Gastropod (snail)

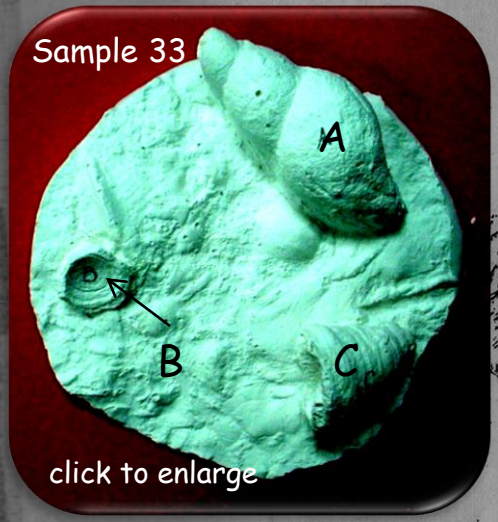
Venericardia robustus
(clam; Tertiary-Quaternary)

Pelecypod (clam)

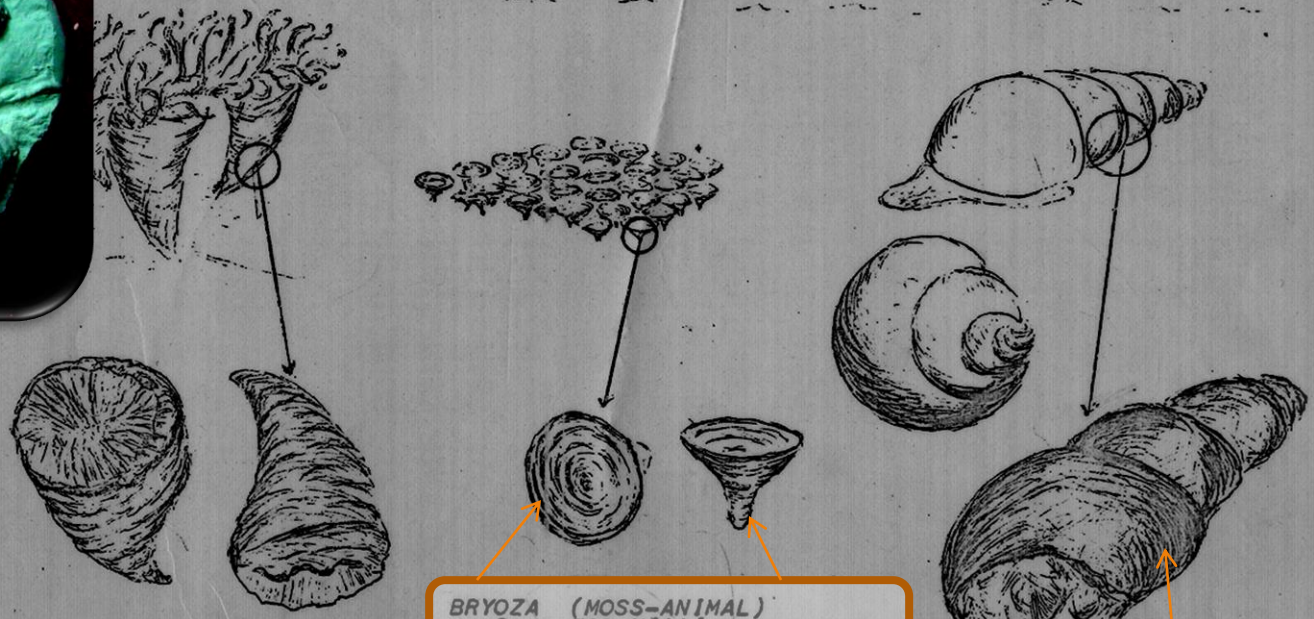
Return to Index

NASCO NATURE STUDY AIDS

FORT ATKINSON, WISCONSIN 53538



Return to Station 24



ANTHOZOA (FLOWER-ANIMAL)
From 600 Million years ago
to present.

Your replica- HORN CORAL
400 Million years ago.

BRYOZA (MOSS-ANIMAL)
Over 500 Million years ago
to present.

GASTROPOD (STOMACH-FOOT)
From 600 Million years ago
to present.

Your replica- 65 Million years ago