

Fossil Lab

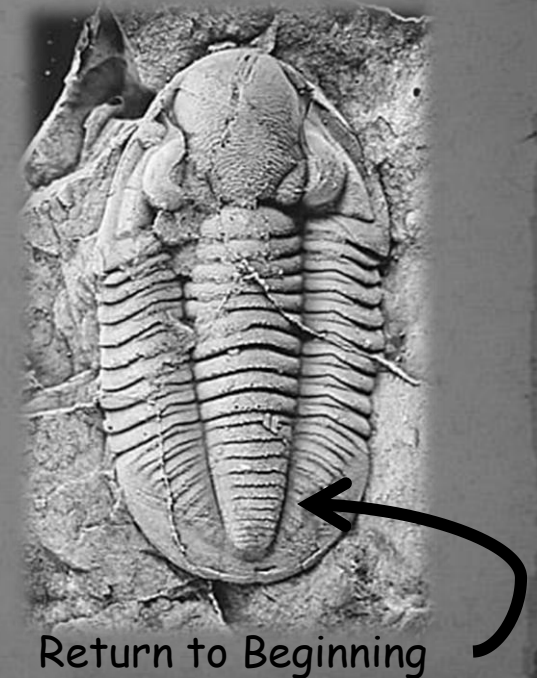
Click on your favorite fossil to **ENTER**

FIG. 0.5—Typical Ordovician fossils.

Fossil Lab Index

- Station 1
- Station 2
- Station 3
- Station 4
- Station 5
- Station 6
- Station 7
- Station 8
- Station 9
- Station 10
- Station 11
- Station 12
- Station 13
- Station 14
- Station 15
- Station 16
- Station 17
- Station 18
- Station 19
- Station 20
- Station 21
- Station 22
- Station 23
- Station 24
- Station 25
- Station 26
- Station 27
- Station 28

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 to enlarge](#)



Sample 1

[Click photo to enlarge or look at sample 1 in the lab](#)

Station 2

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

[Return to Index](#)

[Next Station](#)



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

Station 3

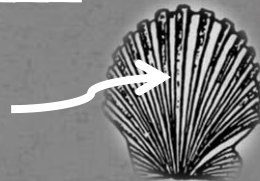
Index fossils are fossils of plants or animals that lived only at a certain time in the geologic past. By finding these in rock, we automatically know how old the rock is.

[Return to Index](#)

[Next Station](#)

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

Click here to find a CLUE



Click to enlarge

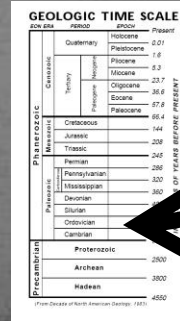


Sample 4

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

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

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 to enlarge



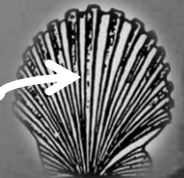
Sample 5

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

GEOLOGIC TIME SCALE			
eon/era	period		
Phanerozoic	Quaternary	Holocene	0.01
	Cenozoic	Pleistocene	2.6
		Pliocene	2.6
	Tertiary	Miocene	2.3
		Oligocene	36.6
		Eocene	57.8
	Mesozoic	Cretaceous	65.4
		Jurassic	144
		Triassic	208
		Permian	245
		Pennsylvanian	286
	Paleozoic	Mississippian	300
		Devonian	360
		Silurian	440
Ordovician		444	
Precambrian	Cambrian	541	
	Proterozoic	2500	
	Archean	3800	
	Hadean	4550	

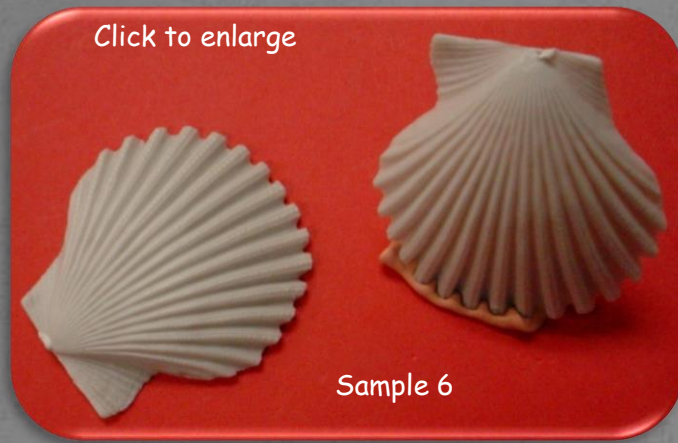
click here for Geologic
Time Scale

Click here to show
selection chart



Station 5

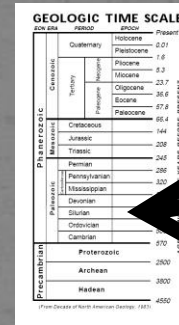
Examine this fossil replica:



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

[Return to Index](#)

[Next Station](#)

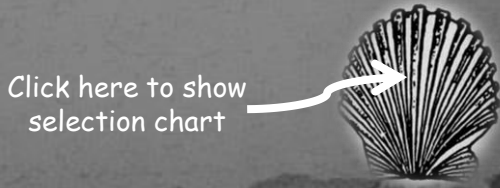


[click here for Geologic Time Scale](#)

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

12. It lived during the _____ and _____ periods.

13. It lived during the _____ ERA.

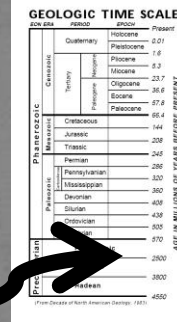


Station 7

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

[Return to Index](#)

[Next Station](#)



[click here for Geologic Time Scale](#)



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

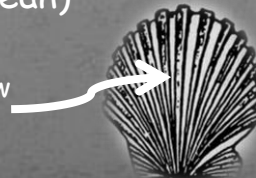
17. Sample 11 is from an ancient horse named _____.

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!!



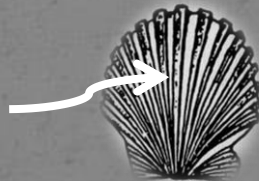
Click picture
to enlarge



Sample 12

19. It is very easy / difficult to determine exactly which species of trilobite we have.

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)

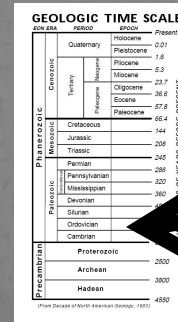
23. It is from the _____ ERA.

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

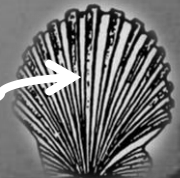


[Click photo to enlarge or look at sample 13 in the lab](#)



[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



Sample 14



[Click to enlarge](#)

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

[Click photo to enlarge or look at sample 14 in the lab](#)

Zone Era	Period	EPOCH	Present
Cenozoic	Quaternary	Holocene	0.01
		Pleistocene	1.6
	Tertiary	Pliocene	2.3
		Miocene	23.7
		Oligocene	36.6
	Mesozoic	Eocene	56.6
		Paleocene	67.8
		Cretaceous	66.4
		Jurassic	144
		Triassic	208
Paleozoic	Permian	246	
	Carboniferous	286	
	Mississippian	320	
	Devonian	360	
	Silurian	440	
	Ordovician	444	
Precambrian	Proterozoic	Cambrian	541
		Pre-Cambrian	4550
	Archean	2500	
	Hadean	3800	

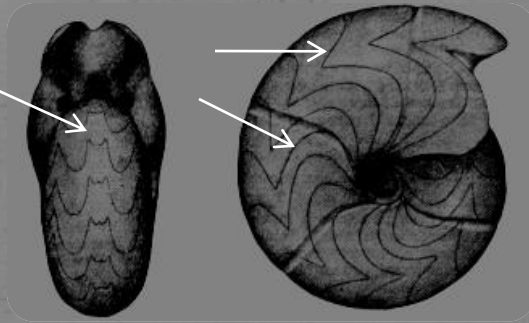
[click here for Geologic Time Scale](#)

Station 11

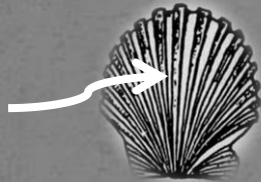
[Return to Index](#)

[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 here to find the selection chart



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

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

Geologic Time Scale		Present
Cenozoic		0
Quaternary		0.01
Pleistocene		1.6
Pliocene		2.3
Miocene		23.7
Oligocene		36.6
Eocene		57.8
Paleocene		66.4
Mesozoic		66.4
Cretaceous		144
Jurassic		208
Triassic		245
Paleozoic		245
Permian		286
Pennsylvanian		300
Mississippian		360
Devonian		408
Silurian		438
Ordovician		505
Cambrian		570
Proterozoic		570
Archaean		2500
Proterozoic		3800
Precambrian		4550

Station 12

[Return to Index](#)

[Next Station](#)

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

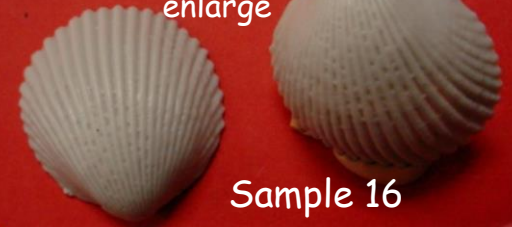
30. What is the *Genus* name of this "fossil"?

31. What is its *species* name?

32. The animal represented by this fossil is a Pelecypod. Pelecypods are _____?

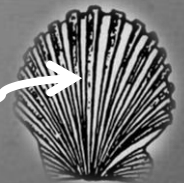
Choose one: clams / snails / sea urchins

Click to
enlarge



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

Click here to
find the
selection chart



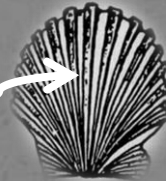
Station 13

[Return to Index](#)

[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



click to enlarge



Sample 17

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?

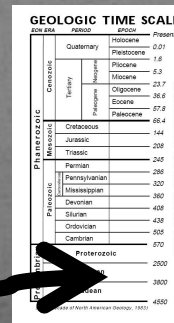
click to enlarge



Sample 18

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

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

PERIOD	PERIOD	PERIOD	AGE IN MILLIONS OF YEARS BEFORE PRESENT
Cenozoic	Quaternary	Holocene	Present
		Pleistocene	0.01
Cenozoic	Tertiary	Pliocene	1.6
		Miocene	23.7
		Oligocene	28.6
		Eocene	57.8
		Paleocene	66.4
Mesozoic	Cretaceous	66.4	
		144	
		208	
		246	
		266	
		300	
		360	
		408	
		438	
		505	
Paleozoic	Silurian	438	
		408	
		360	
		300	
		266	
		208	
		144	
Preterozoic	Cambrian	505	
		578	
		664	
		144	
		208	
		246	
		266	
		300	
		360	
		408	

click here for Geologic Time Scale



Sample 21



click to enlarge

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

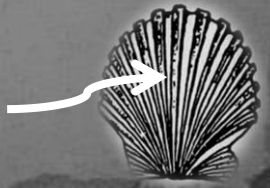
38. Match the fossil with its scientific name.

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 here to find the selection chart

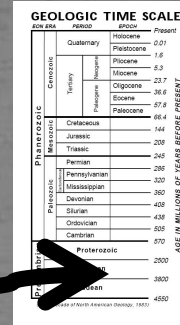


Station 16

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



[click here for Geologic Time Scale](#)



[Return to Index](#)

[Next Station](#)

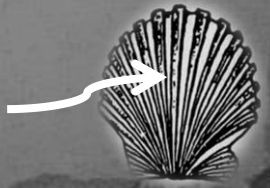


Click photos to enlarge or look at samples 22 and 23 in the lab



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 18

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

GEOLOGIC TIME SCALE		Present	
AGE IN MILLIONS OF YEARS BEFORE PRESENT			
Cenozoic	Quaternary	0.01	
	Tertiary	Pliocene	1.6
		Pliocene	5.3
		Oligocene	23.7
	Paleogene	Eocene	36.6
		Paleocene	57.8
		Cretaceous	66.4
		Jurassic	144
	Mesozoic	Triassic	245
		Permian	266
Pennsylvanian		300	
Mississippian		360	
Devonian		380	
Staurian		438	
Ordovician		438	
Carbonian		605	
Preterozoic		670	
Proterozoic		2000	
	4850		

click here for Geologic Time Scale

[Return to Index](#)

[Next Station](#)

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

51. Sample 26 is named _____.

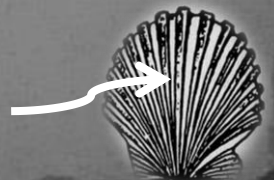
52. Sample 27 is named _____ _____. It is commonly called a "sea urchin".

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**.



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

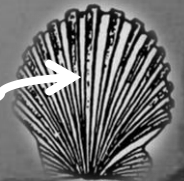
Click photo to enlarge or look at sample 28 in the lab

56. This fossil is from the _____ ERA.

GEOLOGIC TIME SCALE		AGE IN MILLIONS OF YEARS BEFORE PRESENT		
Cenozoic	Quaternary	Present		
		0.01		
	Tertiary	Pleistocene	1.6	
		Pliocene	2.3	
		Miocene	23.7	
		Oligocene	38.6	
		Eocene	57.8	
		Paleocene	66.4	
		Mesozoic	Cretaceous	144
			Jurassic	208
Triassic	245			
Permian	286			
	298			
	300			
Paleozoic	Mississippian		360	
	Devonian		408	
	Silurian		438	
	Ordovician		505	
	Cambrian	570		
Proterozoic	2500			
	3800			
Archaean	4550			
	4850			

click here for Geologic Time Scale

Click here to find the selection chart



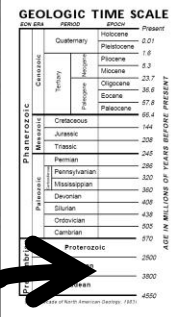
Station 21

Examine this fossil replica.

[Return to Index](#)

[Next Station](#)

[click here for Geologic Time Scale](#)



ERA	PERIOD	EPISODE	Years Before Present
Cenozoic	Quaternary	Holocene	0.01
		Pleistocene	1.6
	Tertiary	Pliocene	2.3
		Miocene	23.7
		Oligocene	36.6
	Paleogene	Eocene	57.8
		Oligocene	65.4
		Miocene	144
		Pliocene	208
		Quaternary	248
Mesozoic	Cretaceous	144	
		Jurassic	208
		Triassic	248
	Permian	266	
		Pennsylvanian	300
		Mississippian	360
	Paleozoic	Devonian	408
		Silurian	438
		Ordovician	505
		Carboniferous	570
Proterozoic	2000		
	2800		
	4650		

[click to enlarge](#)



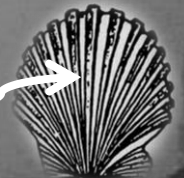
[Click photo to enlarge or look at sample 30 in the lab](#)

61. The name of this fossil is _____.

62. In which period did it live?

63. In which ERA did it live?

[Click here to find the selection chart](#)



Station 23

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



[Return to Index](#)

[Next Station](#)

click to enlarge



Sample 32

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

66. This "fossil is named _____.

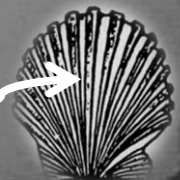
67. It is a _____ cephalopod / gastropod / pelecypod

68. It lived during the _____ period.

GEOLOGIC TIME SCALE	
ERA	PERIOD
Cenozoic	Quaternary
	Pleistocene
	Pliocene
	Miocene
	Oligocene
	Eocene
	Paleocene
	Cretaceous
	Jurassic
	Triassic
Mesozoic	Permian
	Pennsylvanian
	Mississippian
	Devonian
	Carboniferous
Paleozoic	Permian
	Pennsylvanian
	Mississippian
	Devonian
	Carboniferous
	Permian
	Pennsylvanian
	Mississippian
	Devonian
	Carboniferous
Proterozoic	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic
	Proterozoic

click here for Geologic Time Scale

Click here to find the selection chart



Station 24

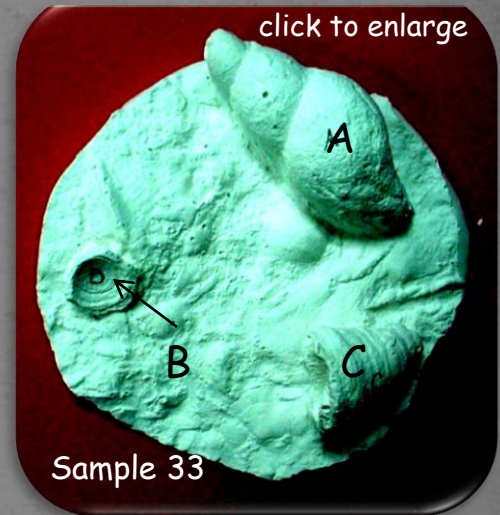
This plaster cast shows 3 different marine animals that lived 600 million years ago but some species still exist today.

[Return to Index](#)

[Next Station](#)

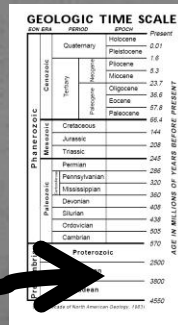
69. Specimen A is an ancient Gastropod (snail). It lived 65 million years ago in the _____ period.

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

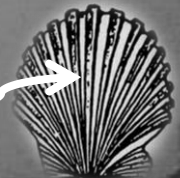


[Click photo to enlarge or look at sample 33 in the lab](#)

[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.

the Ways *fossils* Form



Unaltered Hard Parts

Organisms such as:
Shelled Invertebrates

Casts/Molds

Organisms with:
Shells or Skeletons



Permineralization

Materials such as:
Bone or wood

Carbonization

Organisms such as:
Plants



Replacement

Organisms such as:
Ammonites

Trace

Organisms such as:
Dinosaurs



Click anywhere in here.

Station 26

Return to Index

Next Station

Prehistoric Life - classic contents

	Big Al game When your own mother might eat you, growing up is far from child's play. Try life as a young Allosaurus.
	Sea Monsters adventure Can you survive the seven deadliest seas of all time in this game? Take the plunge! BBC News: Bizarre whale fossil found
	Caveman challenge Are you a chimp or a champ? Put your skills to the test in our interactive challenge.
	Evolution Game The world is changing. You'll have to adapt if you want to survive. Play the evolution game and see if you can last until the present day.
	Skeleton jigsaws For scientists a 50% complete fossil is exceptional. Think you could re-assemble a creature from a pile of bones? BBC News: Greek mastodon find 'spectacular'
	Sea monster facts They're huge, hungry and swimming your way. Meet creatures from the early oceans. BBC News: New 'monster' sea fossils
	Cavemen facts Could you tell a Neanderthal from a Gigantopithecus? How much do you know about your ancestors and their relatives?
	Burying bodies Only a tiny fraction of animals ever become fossilised. What conditions do you need to get a perfectly preserved specimen?
	Making fossils How does a flesh and blood creature turn into a fossil? BBC News: Huge bird, dino unearthed in China
	Walking with Dinosaurs - 1999 With groundbreaking computer graphics, this series' natural history of dinosaurs is still a classic.
	Walking with Beasts - 2001 Taking up the story where Walking with Dinosaurs left off, walking with beasts spans 65 million years of history from the death of the dinosaurs to the first humans.
	Walking with Cavemen - 2003 Robert Winston traces the origins of the human species, from our African origins to the present day.
	Seamonsters - 2003 Nigel Marvin takes a trip through the seven deadliest seas of all time
	The making of Walking with Beasts There's no way to film an extinct animal - so how do you bring them to life?

Click anywhere in here to get all of these.

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



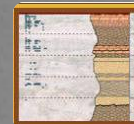
Dinos in Time



Eating with Scissors



Crater Tour



Declining Diversity



Winners and Losers



Climate Past



Unusual Suspects



What is a Dinosaur



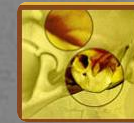
Large Invertebrates



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



This is the last station!!!

Return to Index



Click to enter site

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



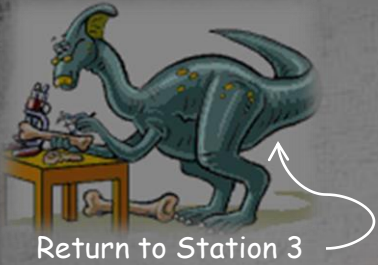
History of Milk



Sample 1



Sample 2&3



Return to Station 3



Sample 4



[Return to Station 4](#)

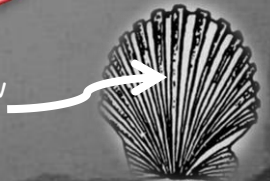


[Return to Index](#)



Sample 5

[Click here to show selection chart](#)





Sample 6

Click here to show selection chart



[Return to Index](#)

Sample 7



[Return to Station 6](#)

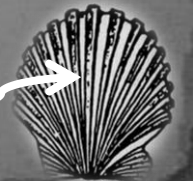
Sample 8



Sample 9



[Click here to show selection chart](#)



[Return to Index](#)



[Return to Station 7](#)

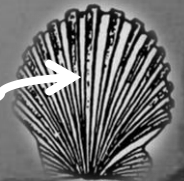


Sample 10



Sample 11

[Click here to show selection chart](#)





Return to Station 8

[Return to Index](#)



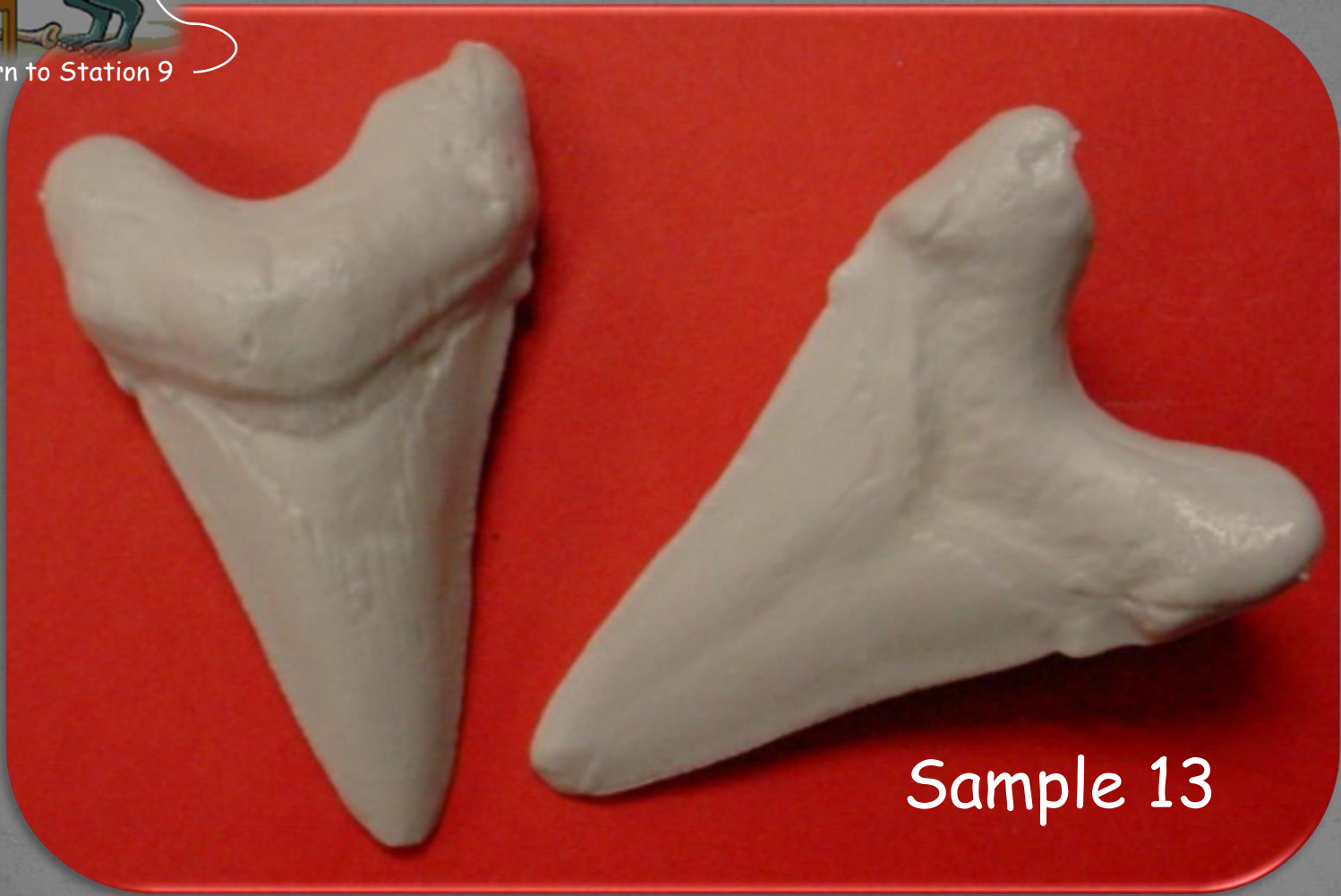
Sample 12



[Return to Station 9](#)

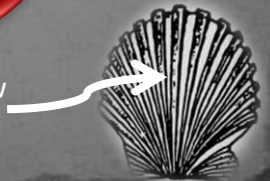


[Return to Index](#)



Sample 13

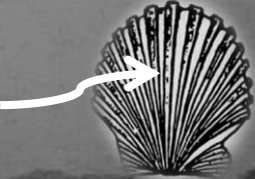
[Click here to show selection chart](#)





Sample 14

Click here to show selection chart





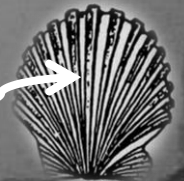
[Return to Station 11](#)

[Return to Index](#)

Sample 15



[Click here to show selection chart](#)





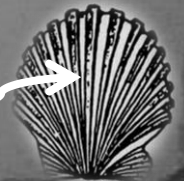
[Return to Station 12](#)

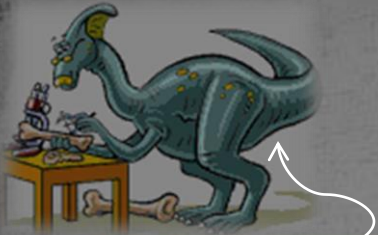
[Return to Index](#)

Sample 16



[Click here to show selection chart](#)





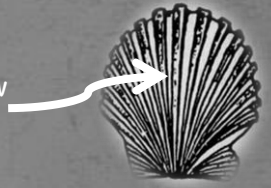
[Return to Station 13](#)

[Return to Index](#)



Sample 17

[Click here to show selection chart](#)



Sample 18



Return to Station 14



Sample 19



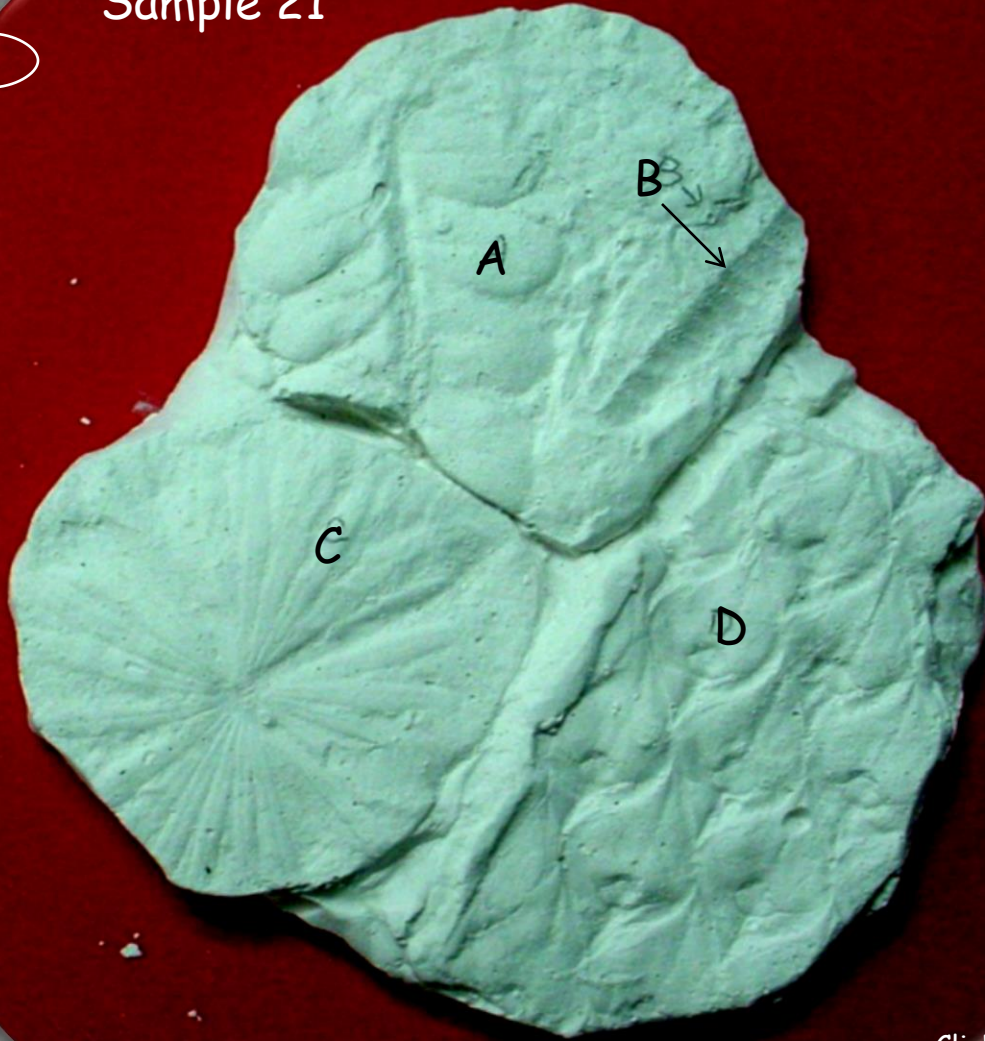
Sample 20



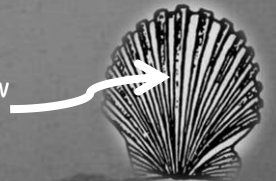


[Return to Station 15](#)

Sample 21



[Click here to show selection chart](#)





Return to Station 16

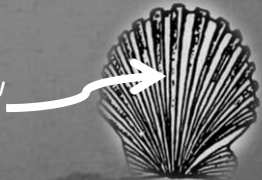


Sample 22



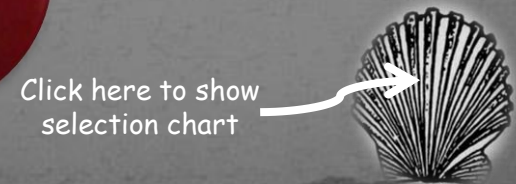
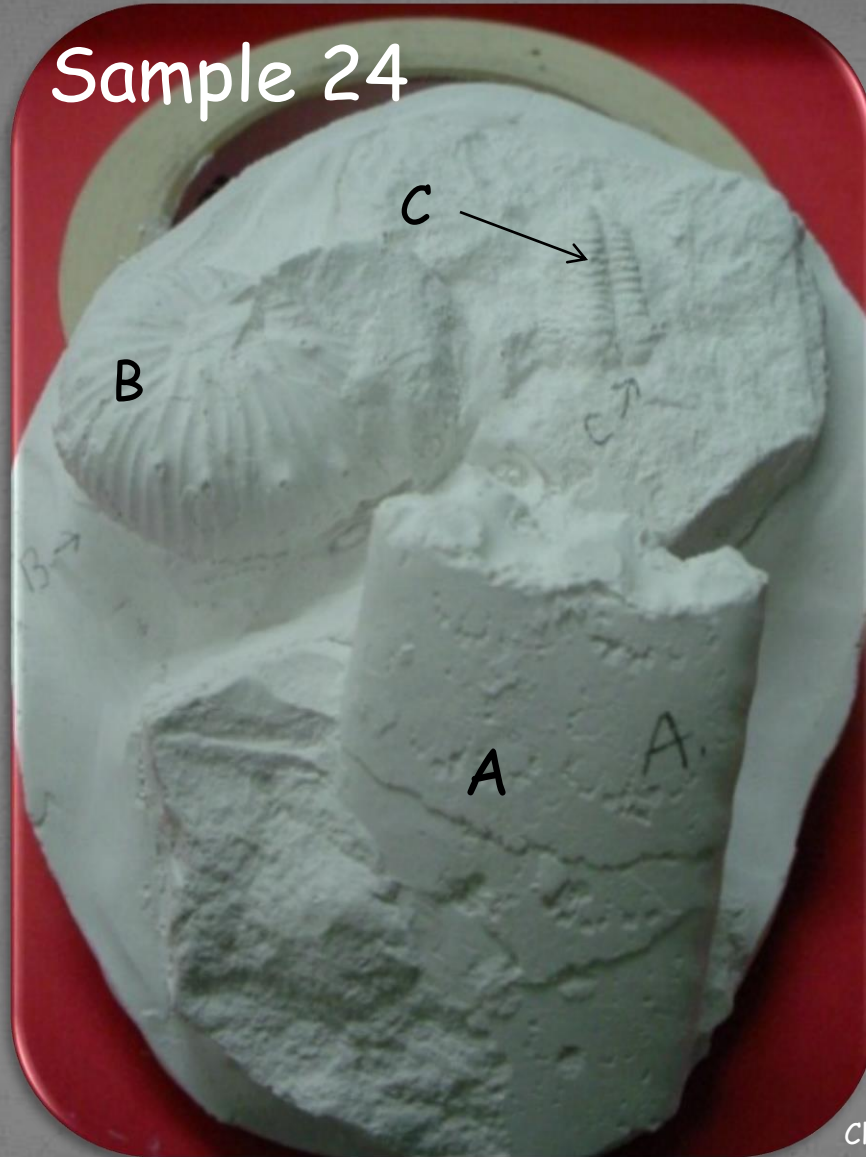
Sample 23

Click here to show selection chart





Sample 24





Return to Station 18



Sample 25

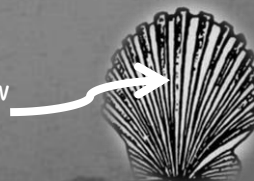


Sample 26



Sample 27

Click here to show selection chart

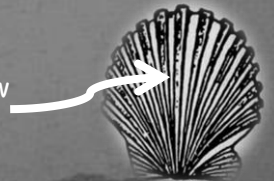




Sample 28



Click here to show selection chart



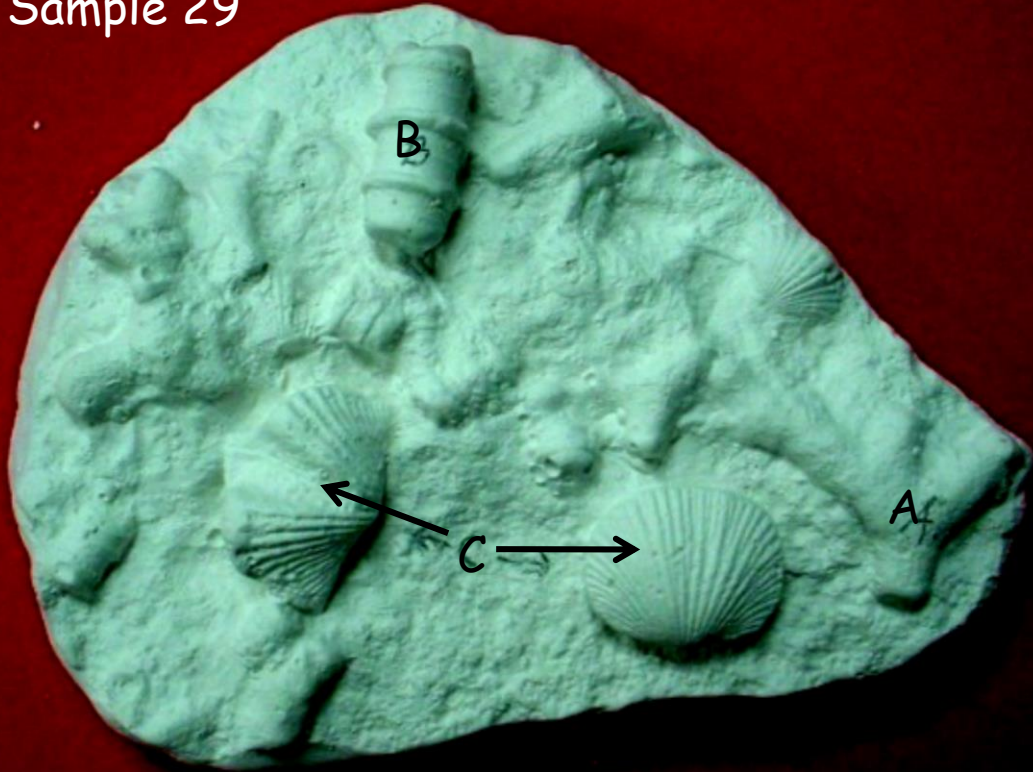


[Return to Station 20](#)

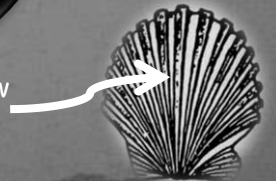


[Return to Index](#)

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](#)

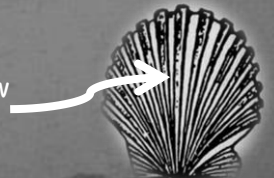


[Return to Index](#)

Sample 31



[Click here to show selection chart](#)





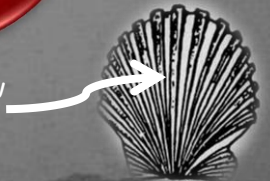
[Return to Station 23](#)

[Return to Index](#)

Sample 32



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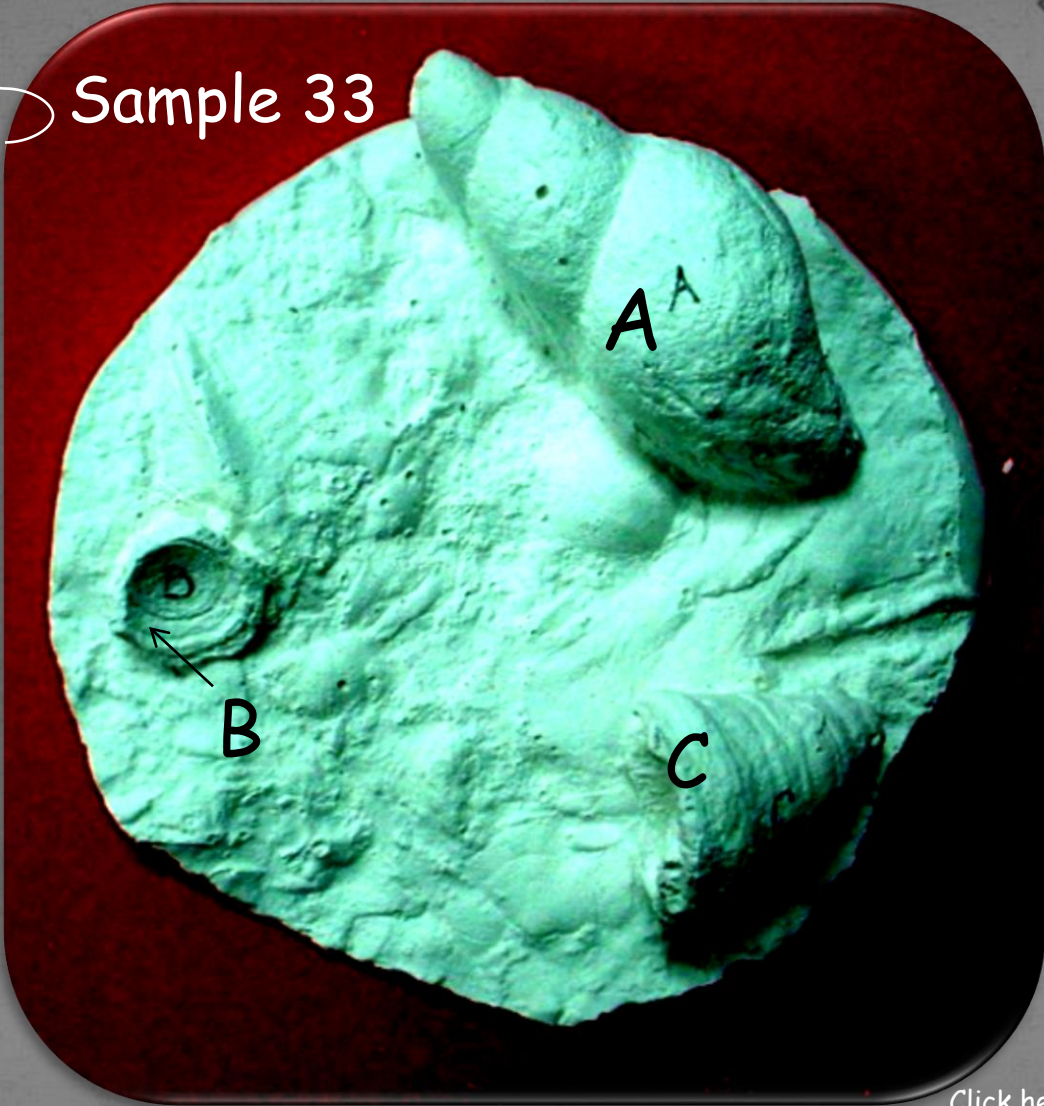




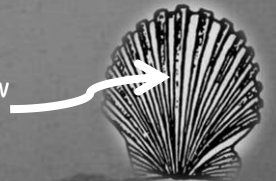
[Return to Station 24](#)

Sample 33

[Return to Index](#)



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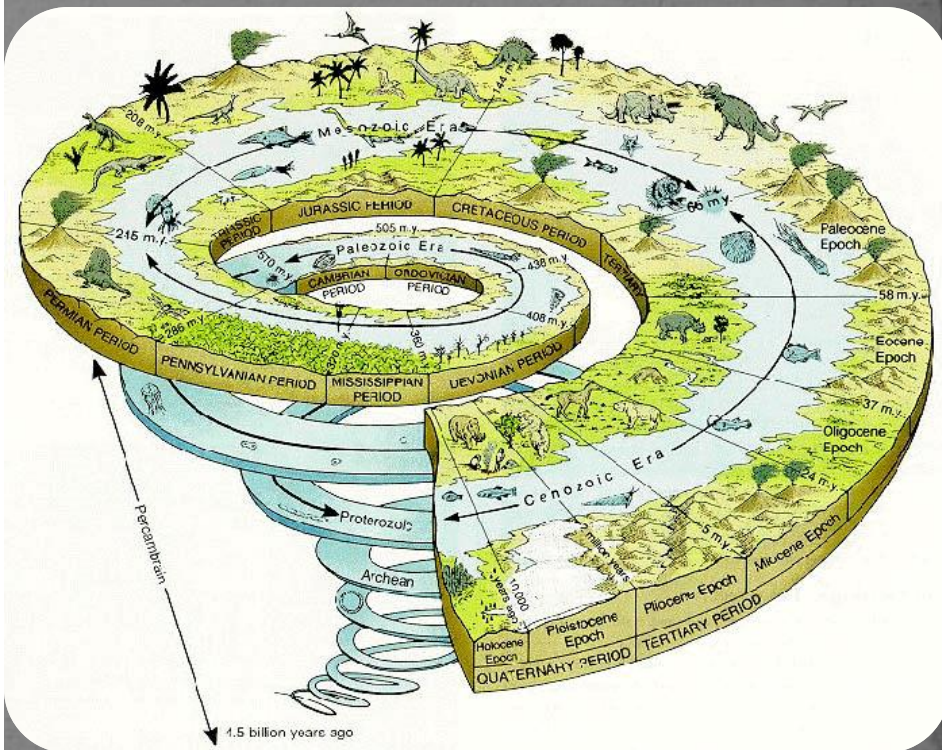
GEOLOGIC TIME SCALE

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

(From Decade of North American Geology, 1983)

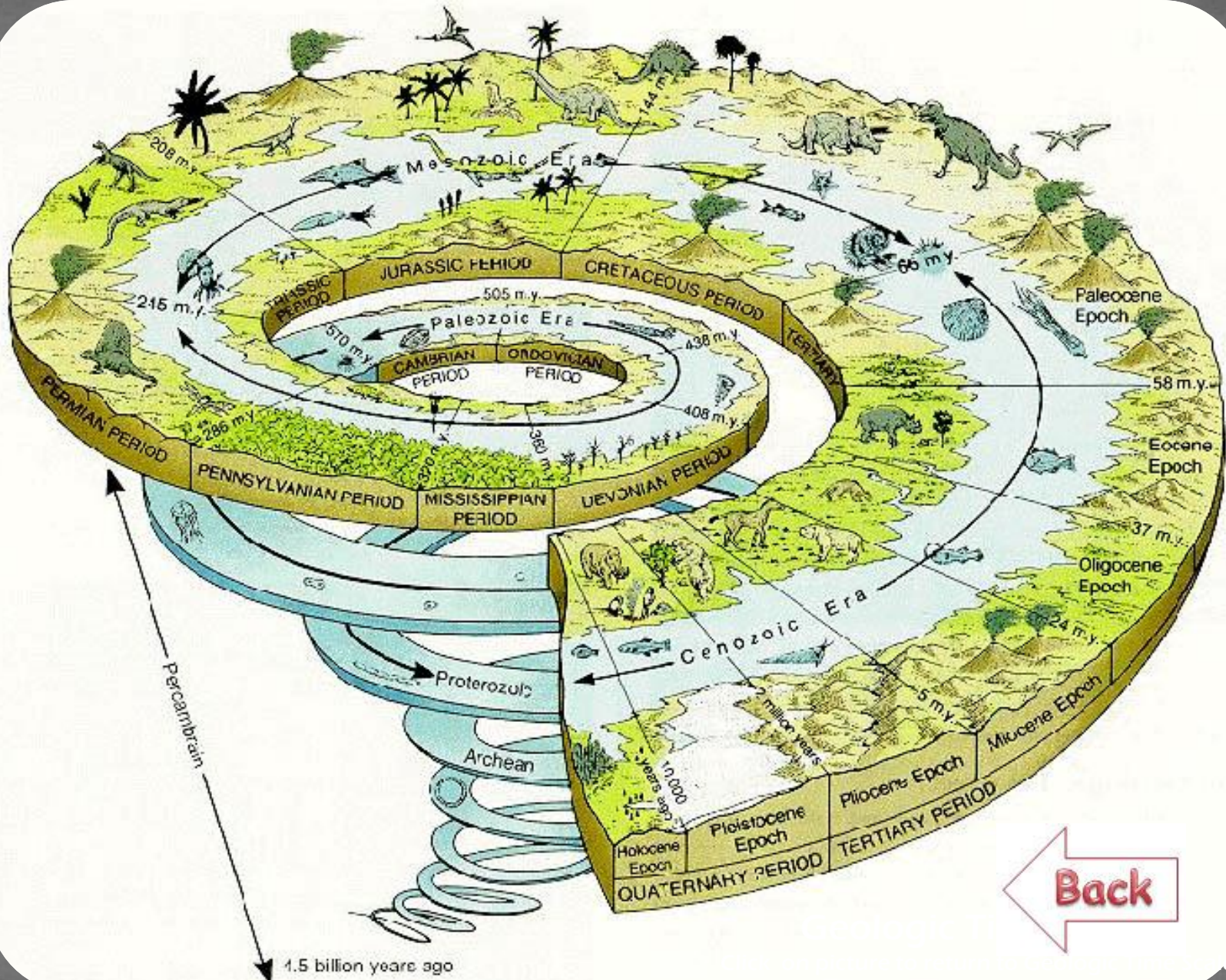
AGE IN MILLIONS OF YEARS BEFORE PRESENT

← Back to Station 3



Geologic Time Spiral

Click on picture to enlarge



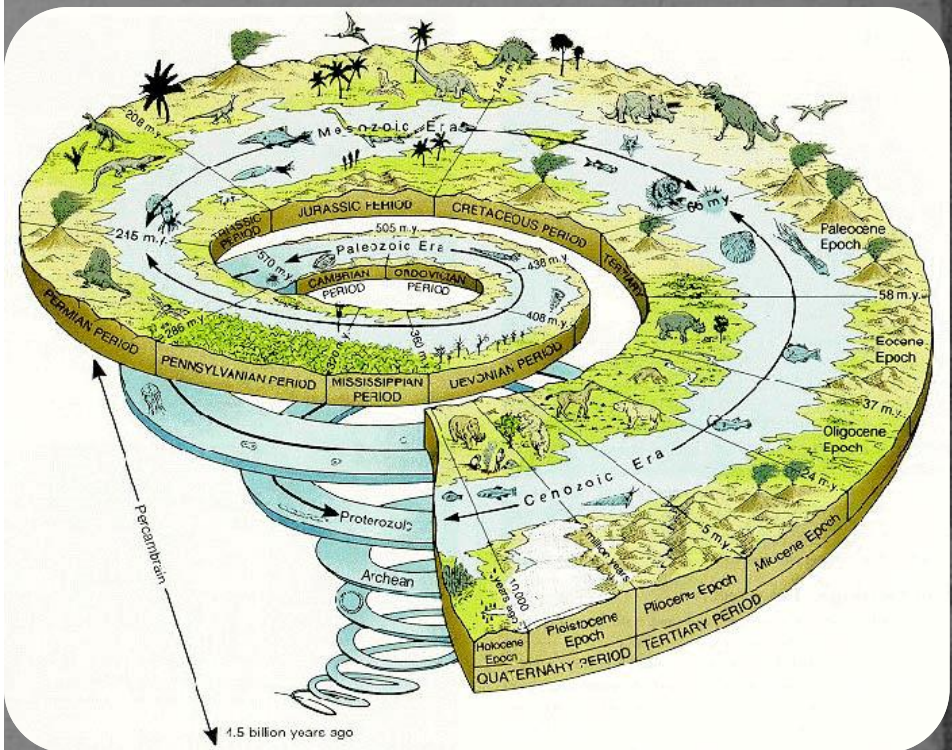
Back

GEOLOGIC TIME SCALE

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

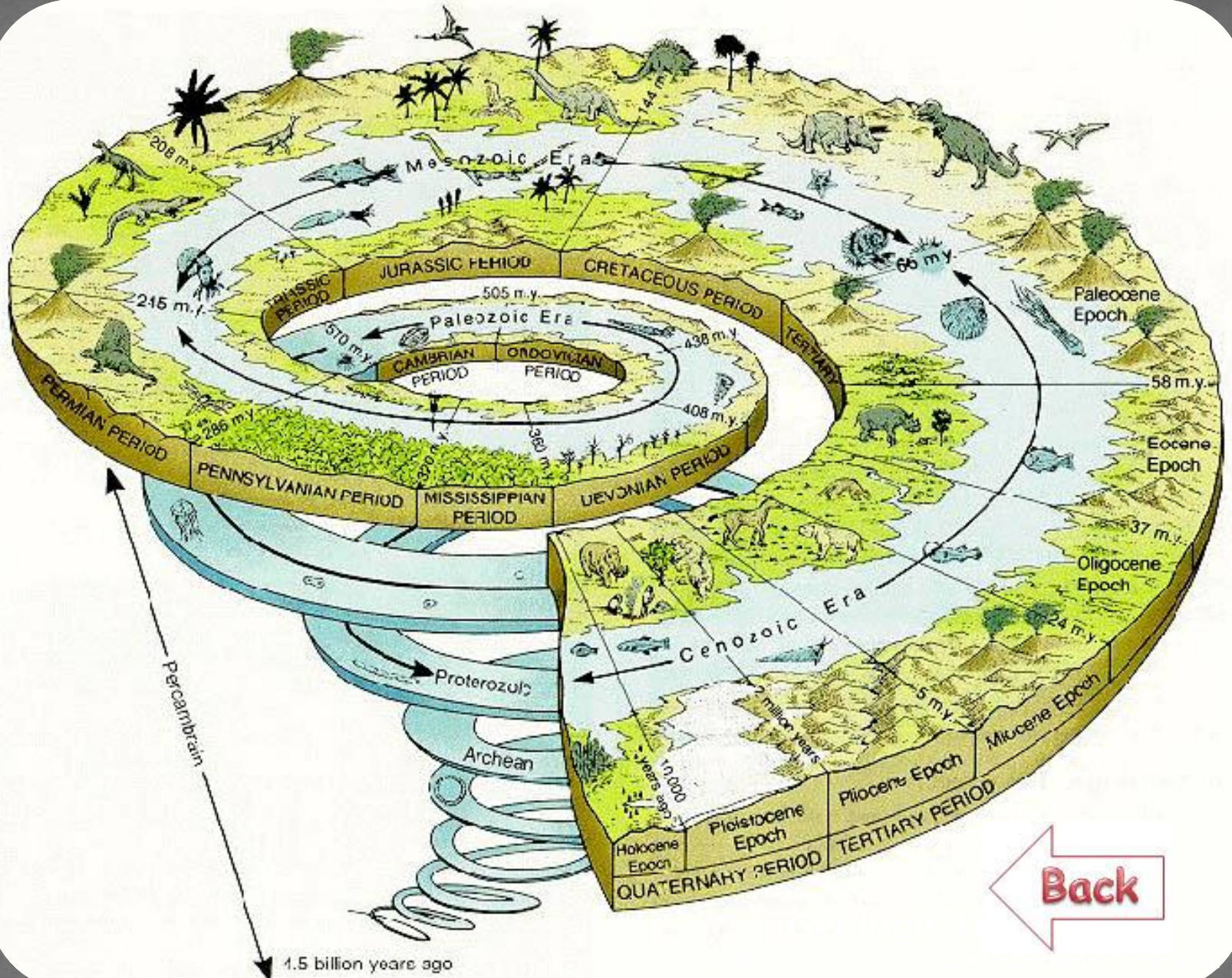
(From Decade of North American Geology, 1983)

← Back to Station 4



Geologic Time Spiral

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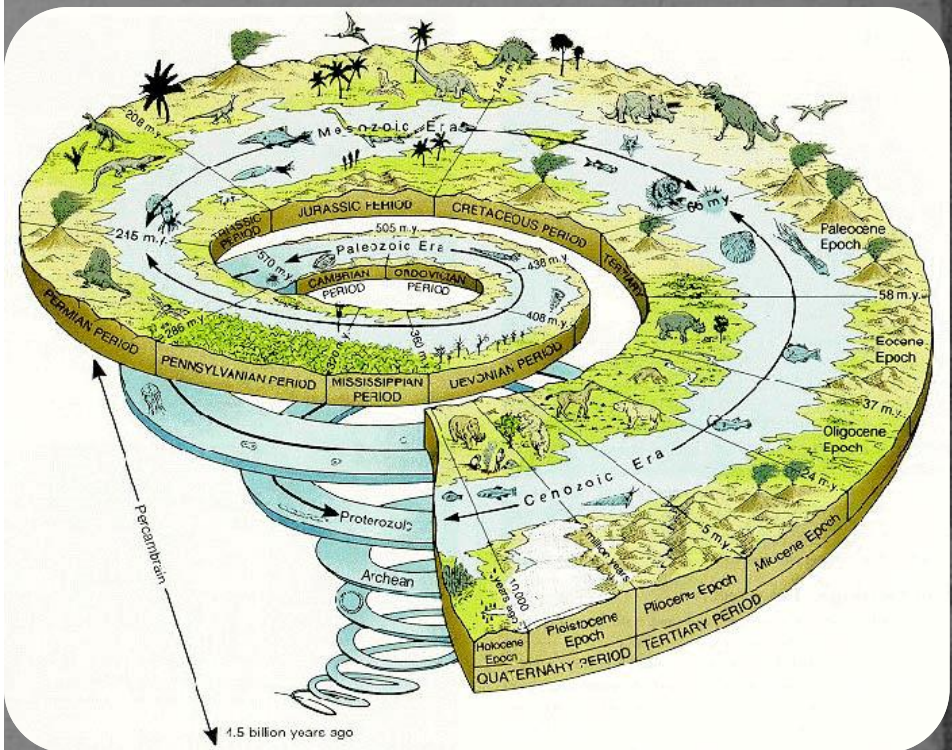
[Back](#)

GEOLOGIC TIME SCALE

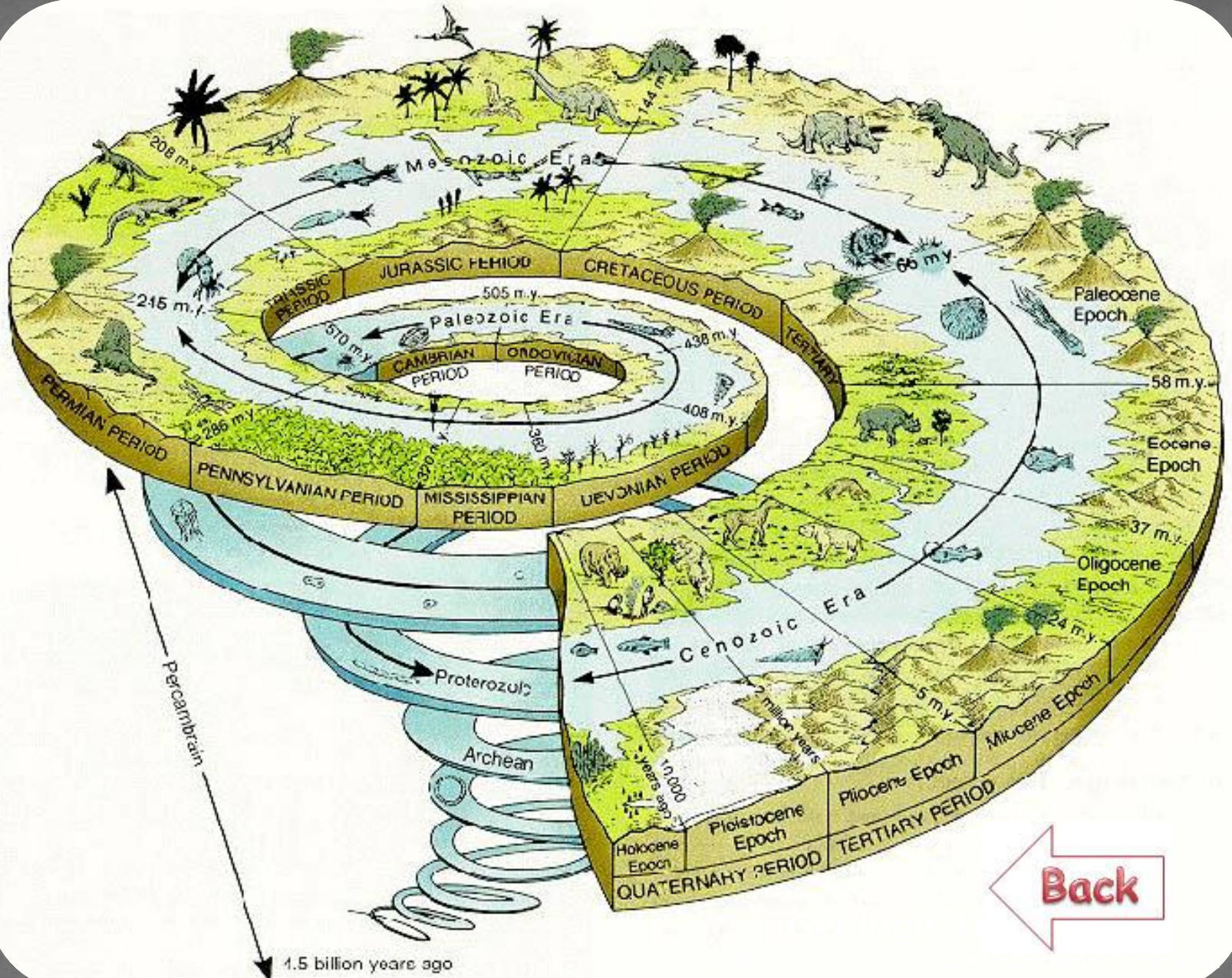
EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present	
			Pleistocene	0.01	
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
				Oligocene	23.7
			Paleogene	Eocene	36.6
				Paleocene	57.8
	Mesozoic	Cretaceous		66.4	
		Jurassic		144	
		Triassic	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



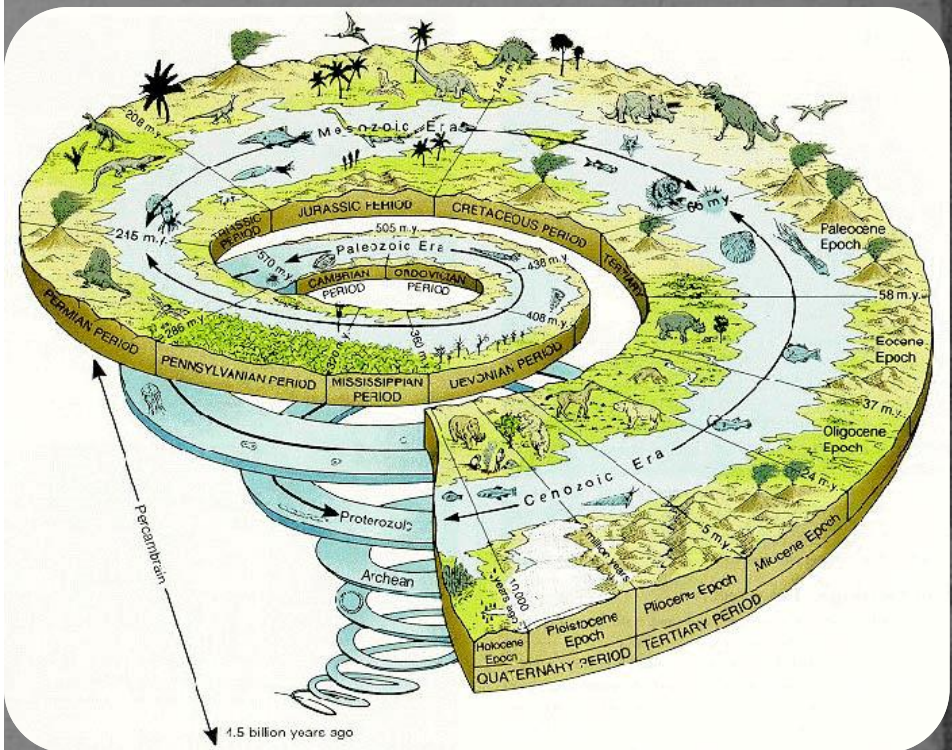
[Back](#)

GEOLOGIC TIME SCALE

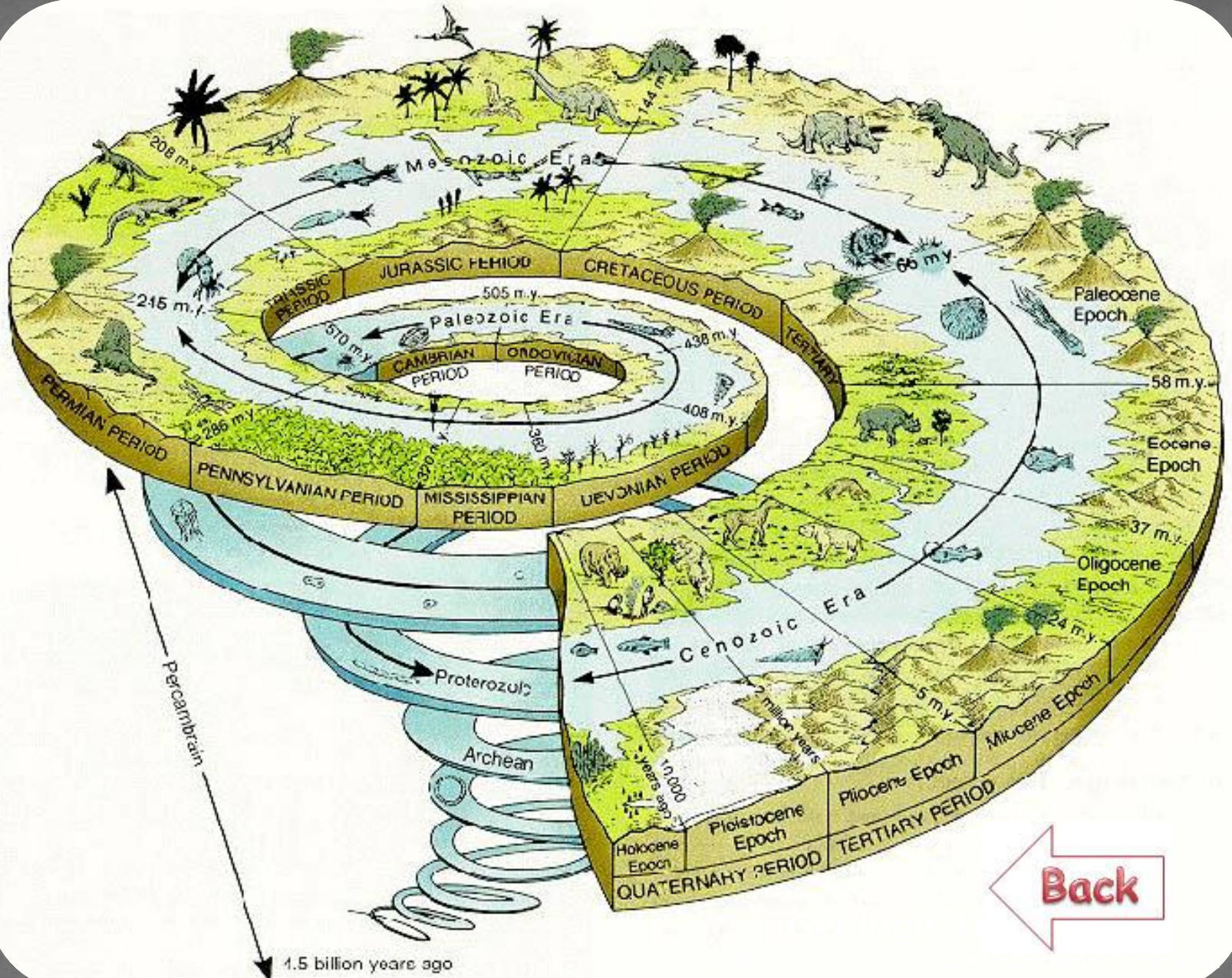
eon	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present	
			Pleistocene	0.01	
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
				Oligocene	23.7
			Paleogene	Eocene	36.6
				Paleocene	57.8
				Cretaceous	66.4
		Mesozoic	Jurassic	144	
	Triassic		208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

(From Decade of North American Geology, 1983)

← Back to Station 6



Geologic Time Spiral
Click on picture to enlarge



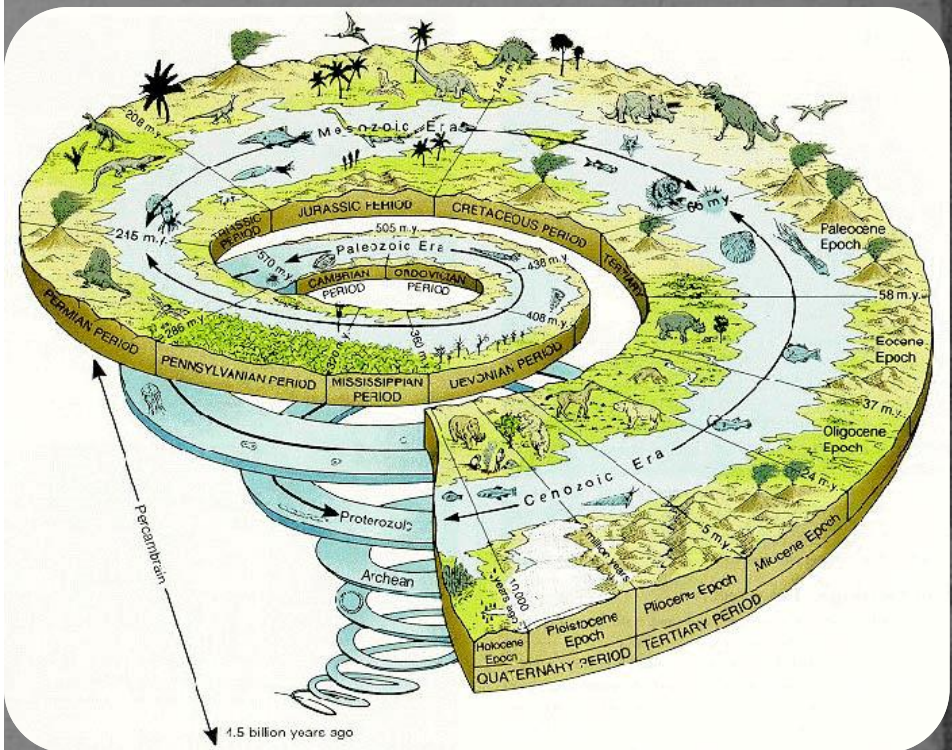
[Back](#)

GEOLOGIC TIME SCALE

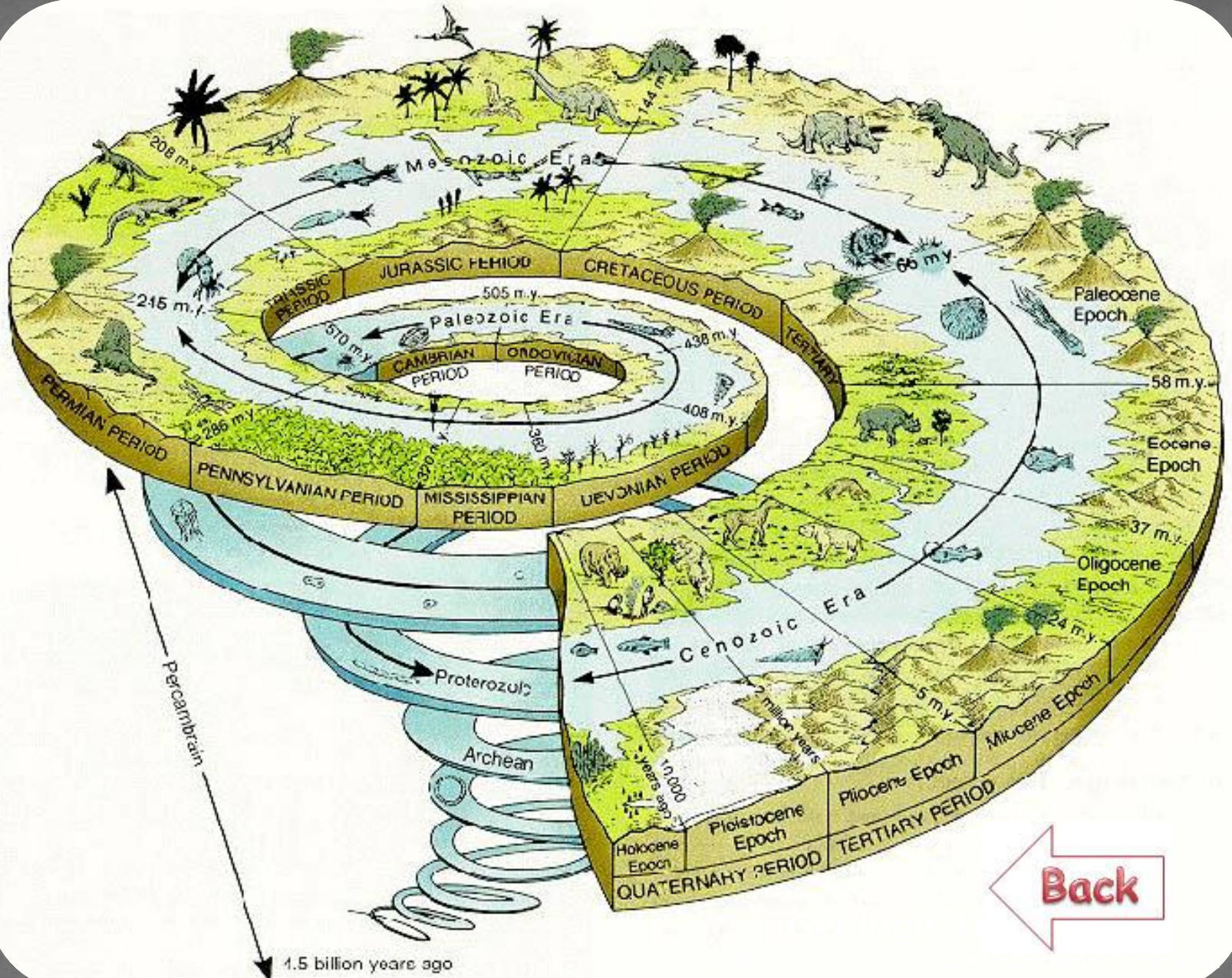
EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present	
			Pleistocene	0.01	
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
				Oligocene	23.7
			Paleogene	Eocene	36.6
				Paleocene	57.8
				Cretaceous	66.4
		Mesozoic	Jurassic	144	
			Triassic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

(From Decade of North American Geology, 1983)

← Back to Station 7



Geologic Time Spiral
Click on picture to enlarge

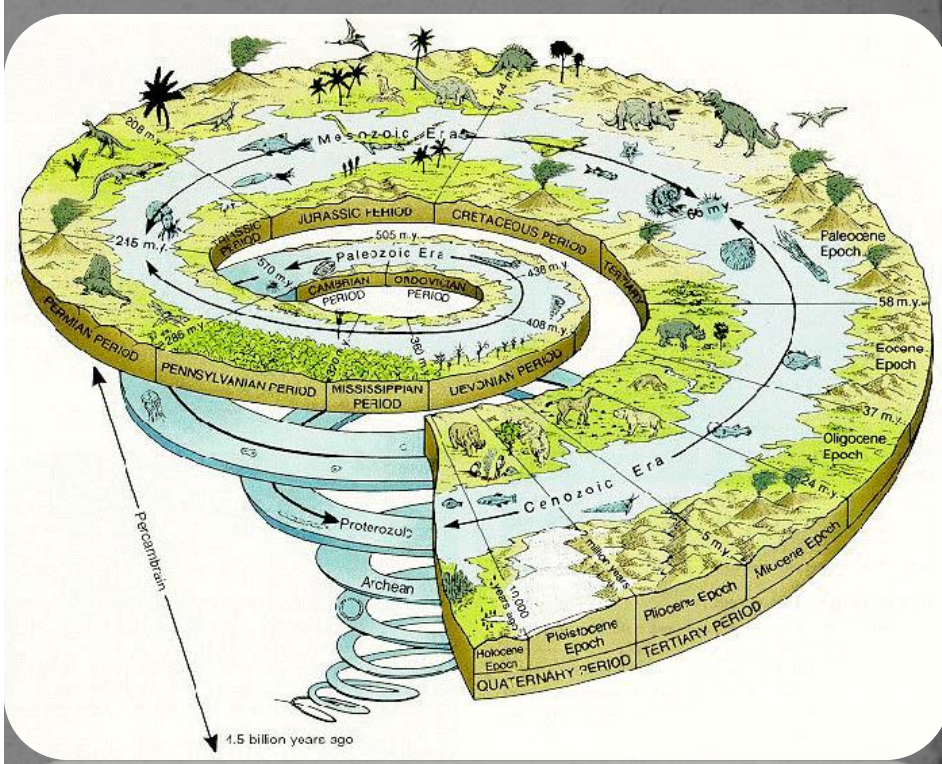


[Back](#)

GEOLOGIC TIME SCALE

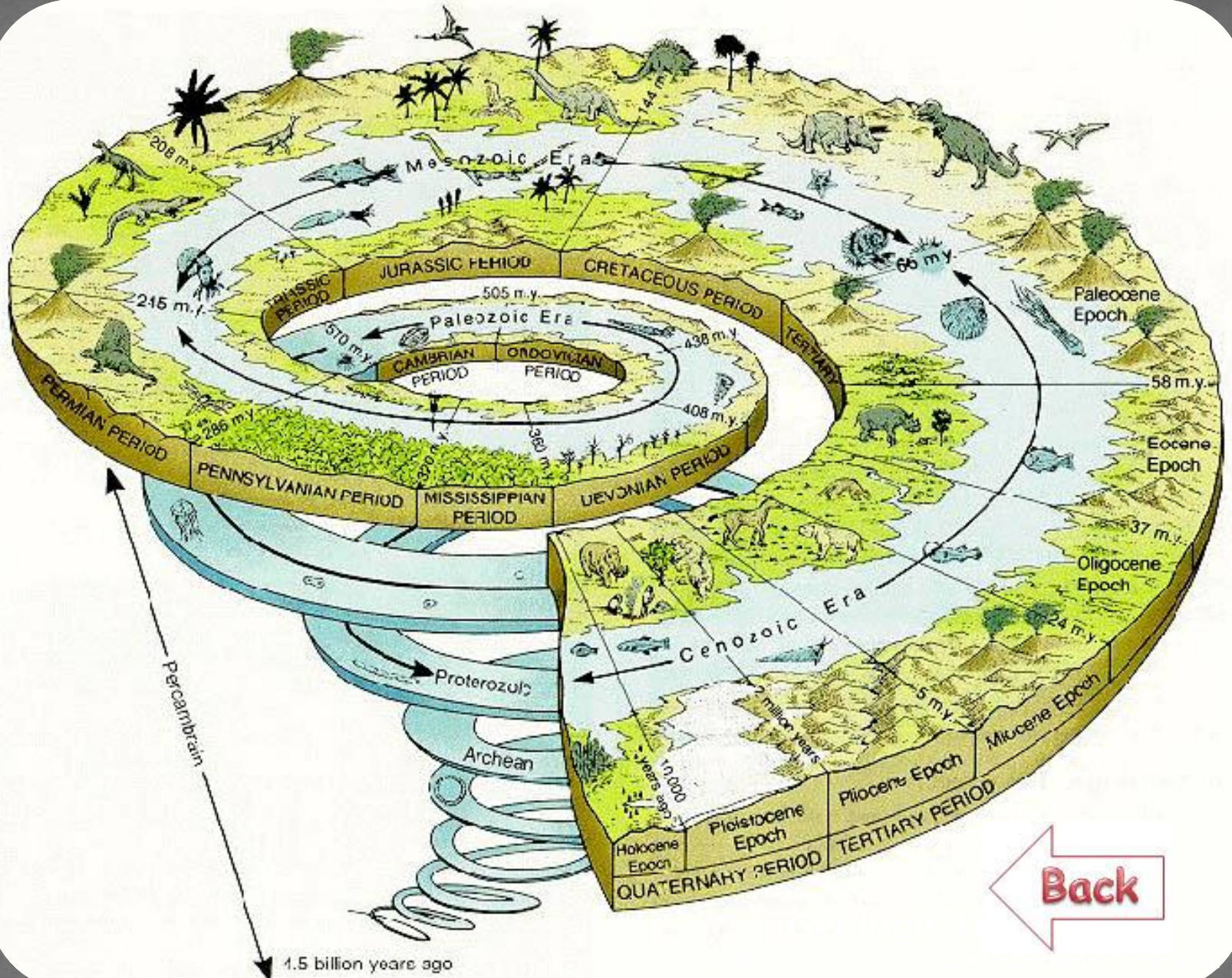
EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present	
			Pleistocene	0.01	
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
				Oligocene	23.7
			Paleogene	Eocene	36.6
				Paleocene	57.8
				Cretaceous	66.4
		Mesozoic	Jurassic	144	
	Triassic		208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

(From Decade of North American Geology, 1983)



Geologic Time Spiral

Click on picture to enlarge



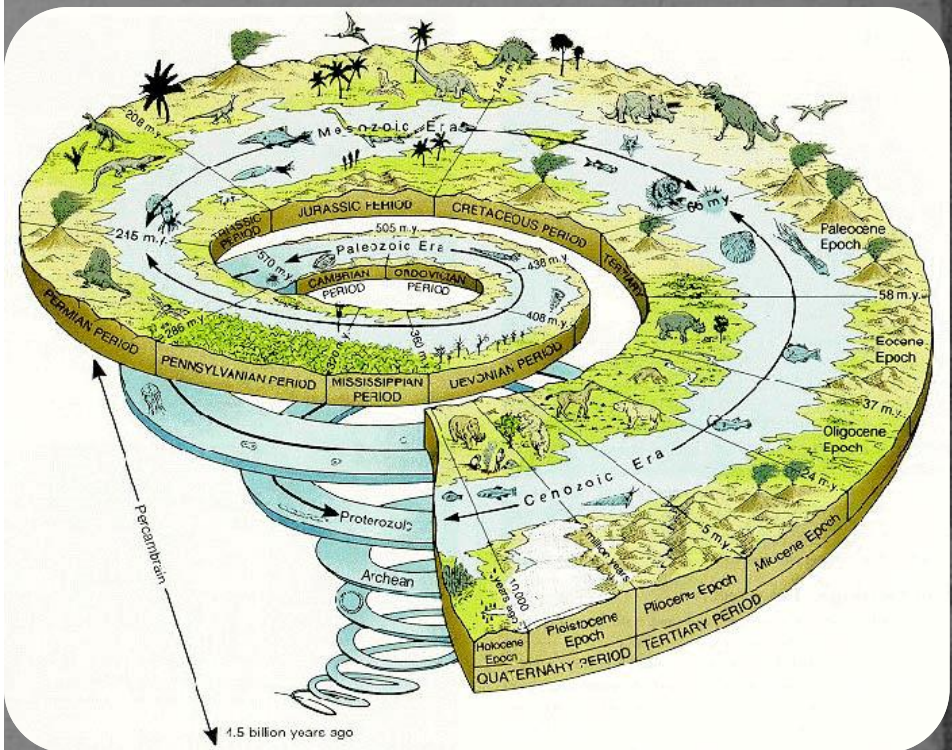
Back

GEOLOGIC TIME SCALE

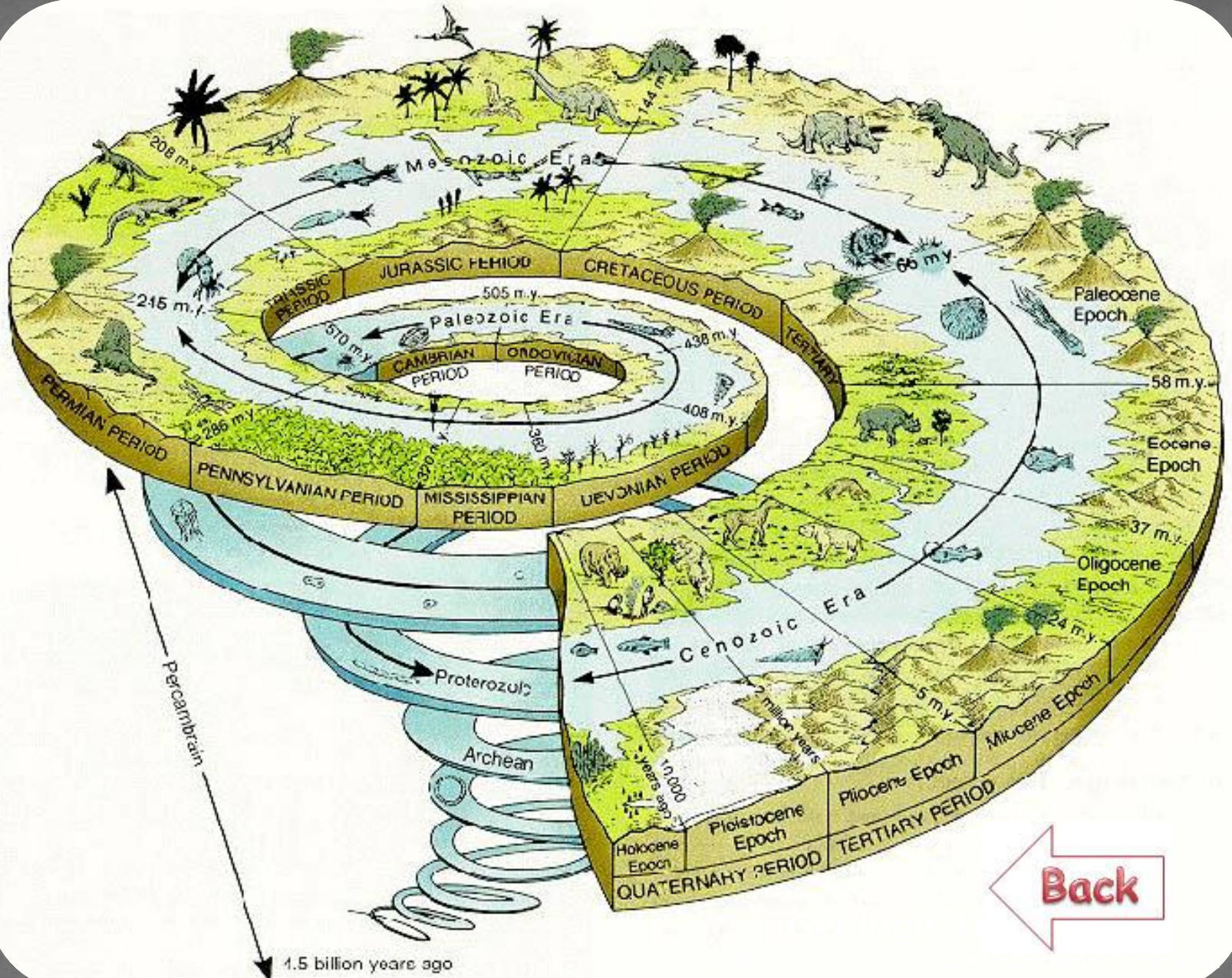
EON	ERA	PERIOD	EPOCH	Present	
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01	
			Pleistocene	1.6	
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
				Oligocene	36.6
			Paleogene	Eocene	57.8
				Paleocene	66.4
				Mesozoic	Cretaceous
		Jurassic	208		
	Triassic	245			
	Paleozoic	Permian		286	
				320	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

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Back to Station 10



Geologic Time Spiral
Click on picture to enlarge



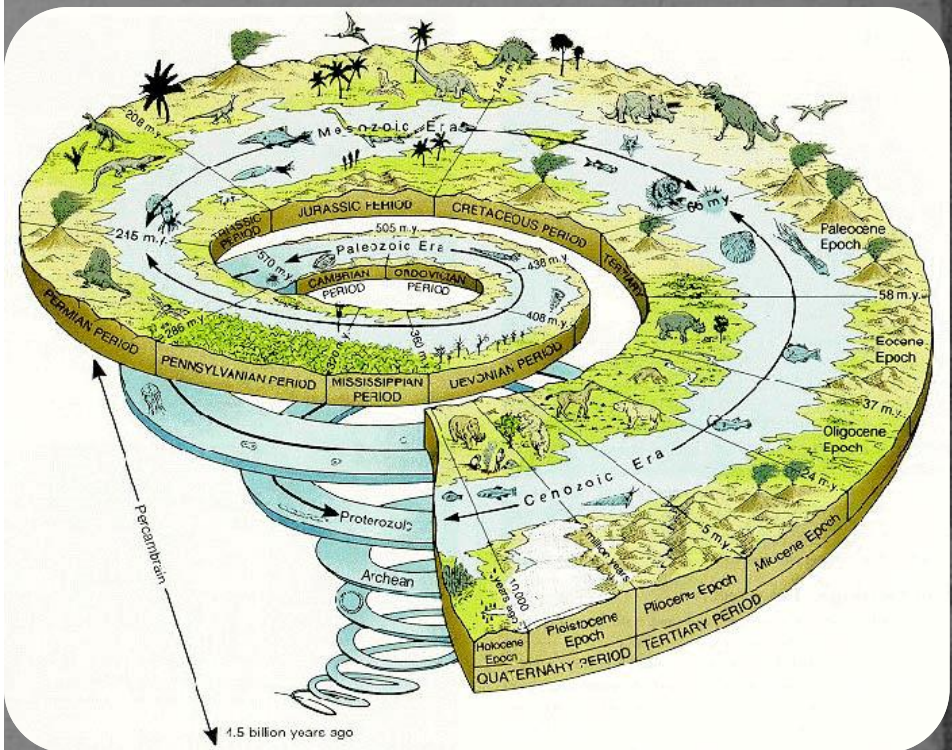
Back

GEOLOGIC TIME SCALE

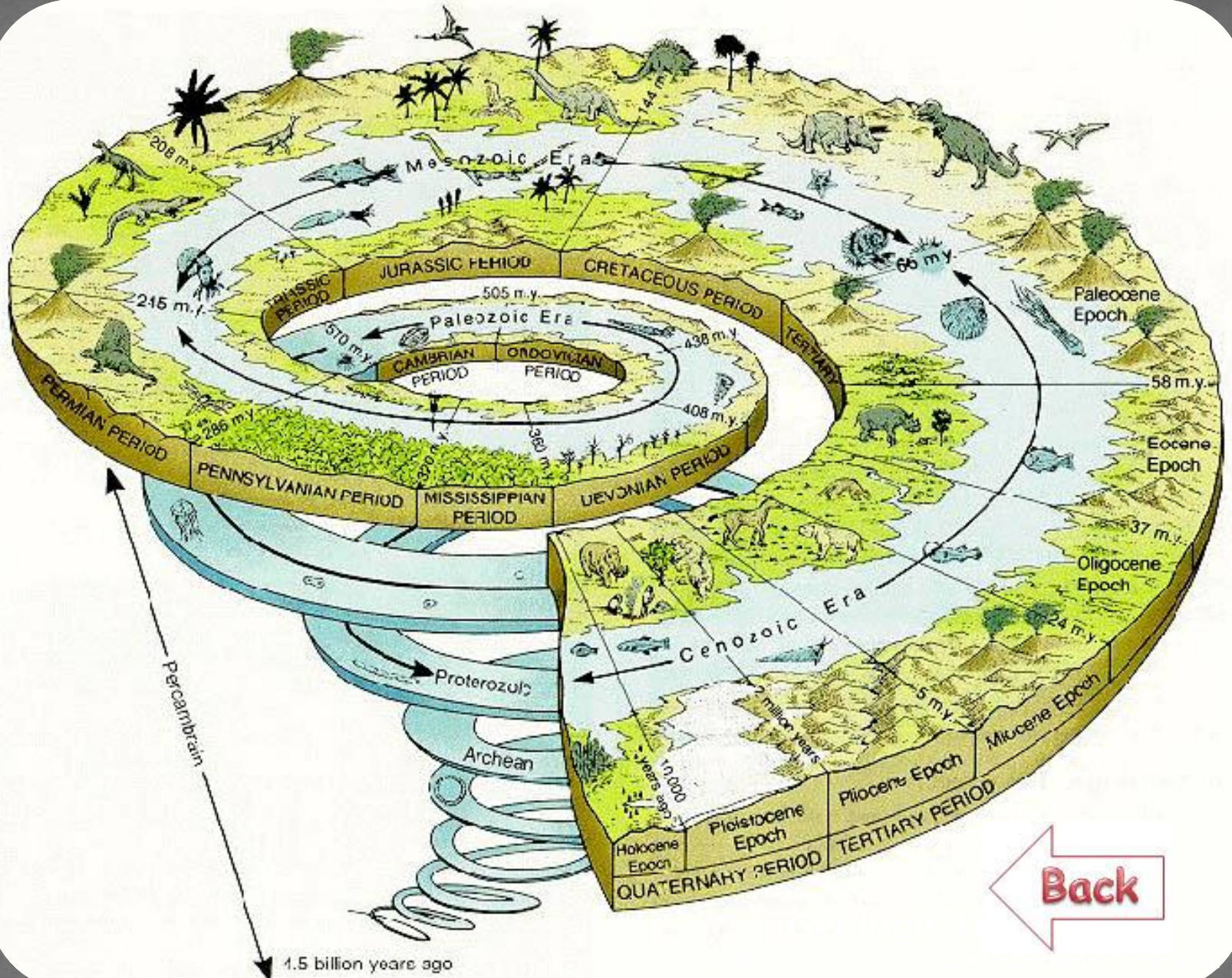
EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present	
			Pleistocene	0.01	
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
				Oligocene	23.7
			Paleogene	Eocene	36.6
				Paleocene	57.8
				Cretaceous	66.4
		Mesozoic	Jurassic	144	
			Triassic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

(From Decade of North American Geology, 1983)

← Back to Station 11



Geologic Time Spiral
Click on picture to enlarge



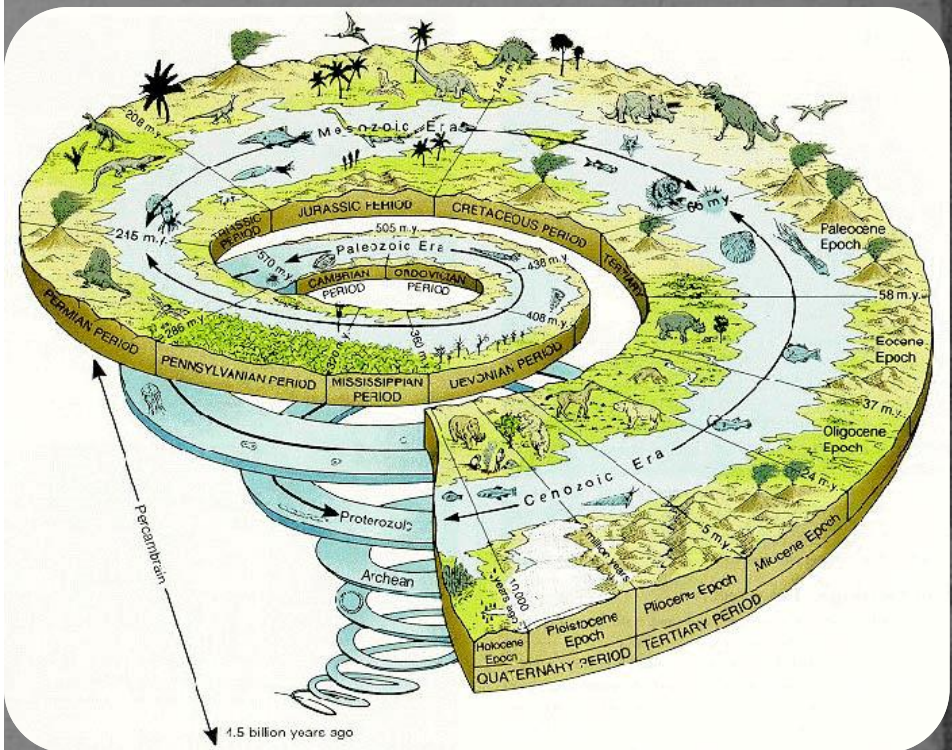
[Back](#)

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
				Oligocene	36.6
			Paleogene	Eocene	57.8
				Paleocene	66.4
				Mesozoic	Cretaceous
		Jurassic	208		
	Triassic	245			
	Paleozoic	Permian		286	
				320	
		Carboniferous	Pennsylvanian	360	
			Mississippian	408	
		Devonian	438		
		Silurian	505		
		Ordovician	570		
		Cambrian	2500		
	Precambrian	Proterozoic		3800	
Archean		4550			
Hadean					

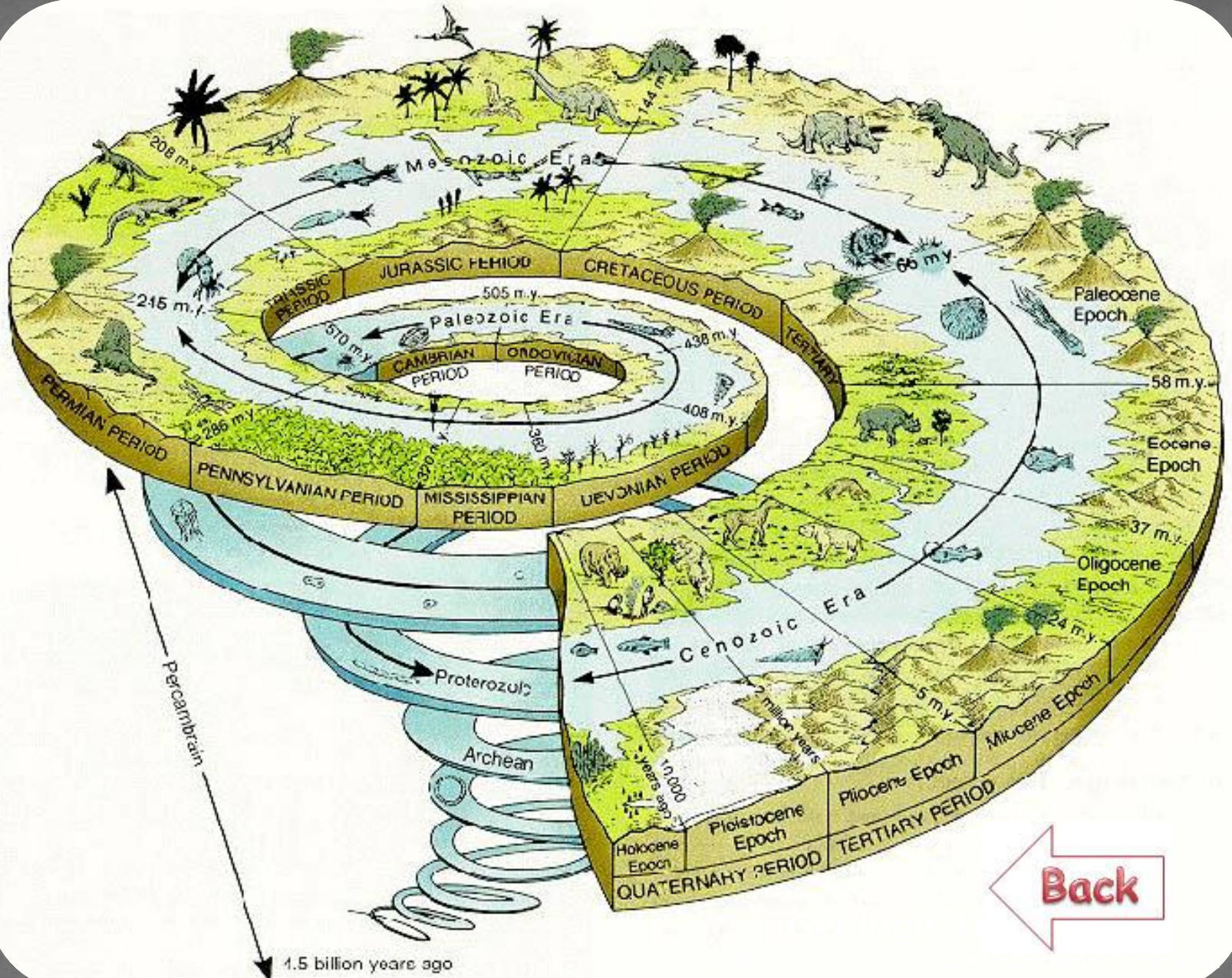
(From Decade of North American Geology, 1983)

← Back to Station 13



Geologic Time Spiral

Click on picture to enlarge



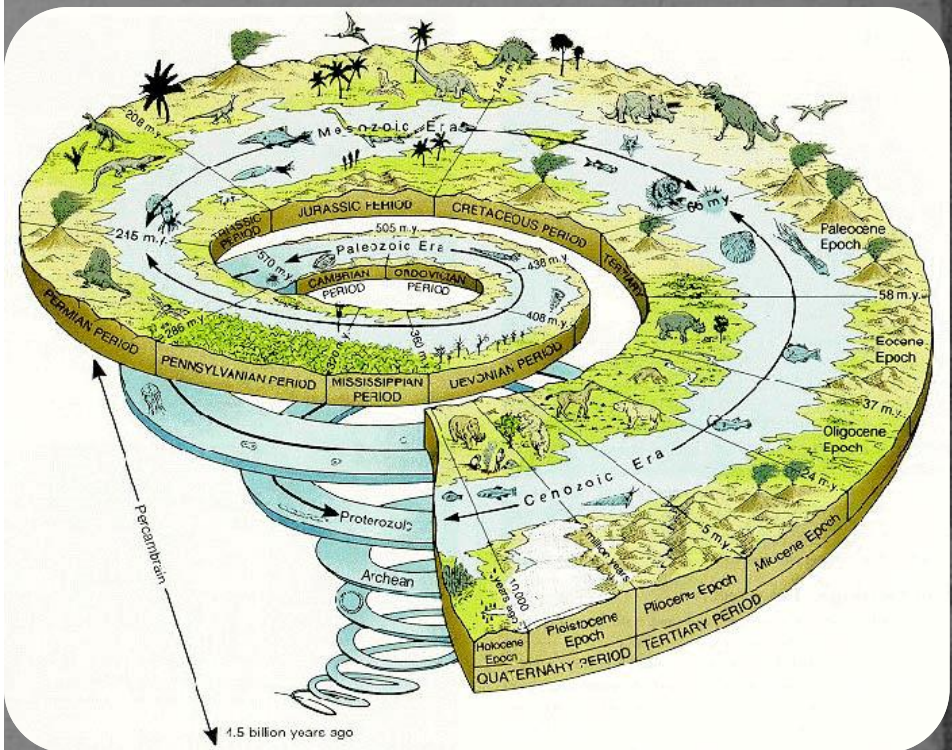
Back

GEOLOGIC TIME SCALE

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

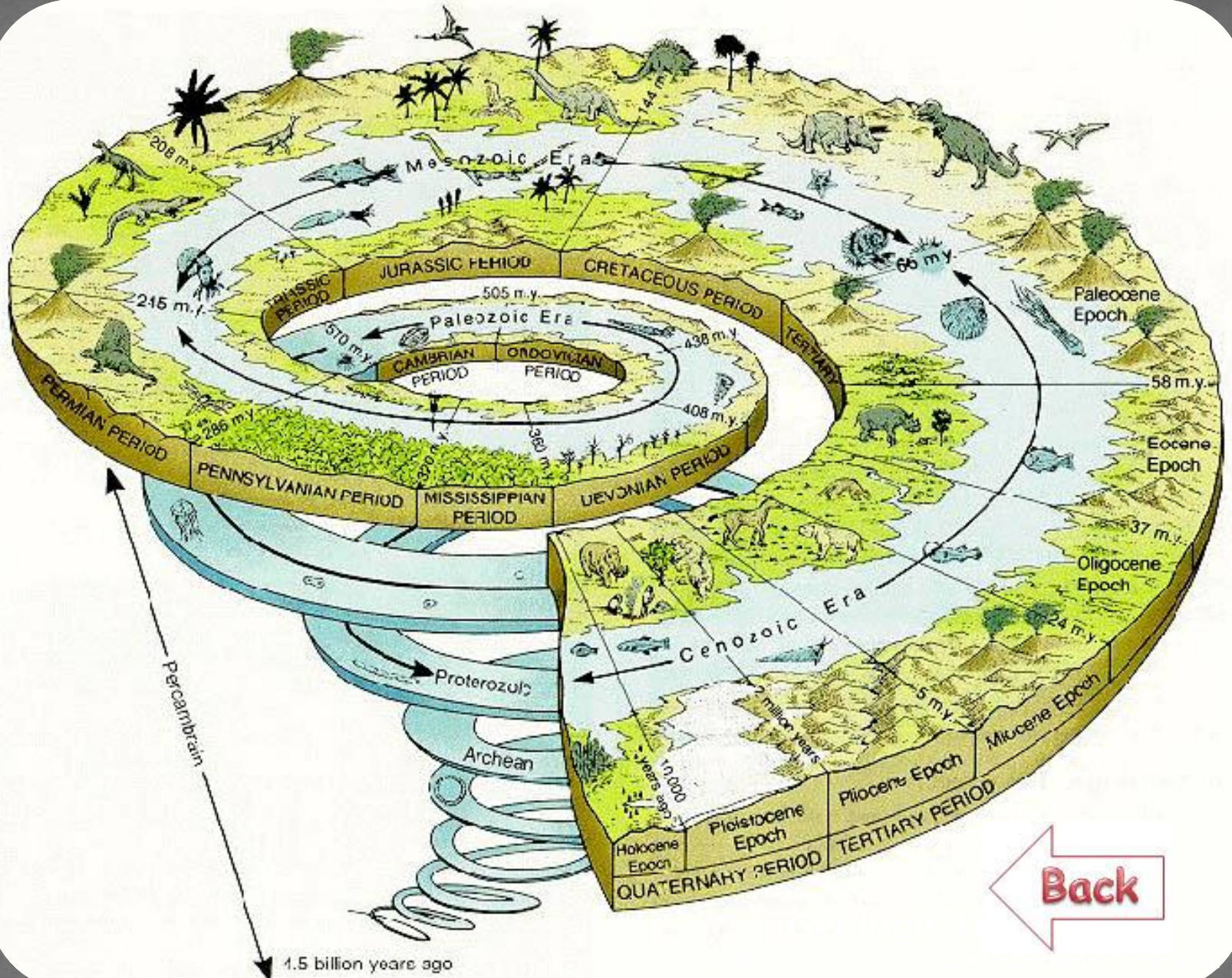
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← Back to Station 15



Geologic Time Spiral

Click on picture to enlarge



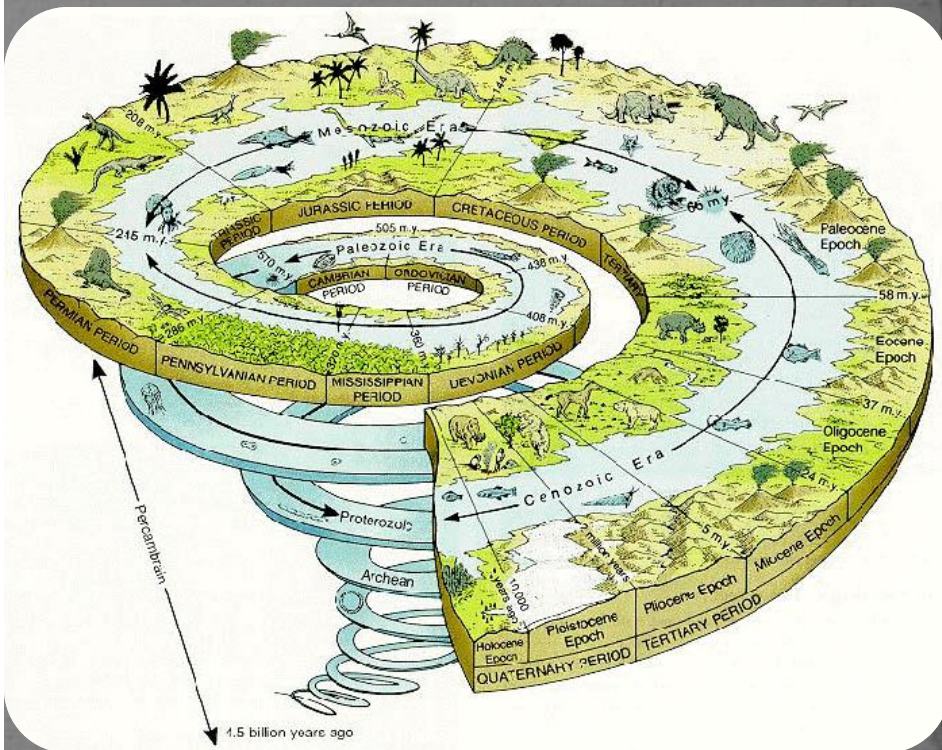
Back

GEOLOGIC TIME SCALE

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

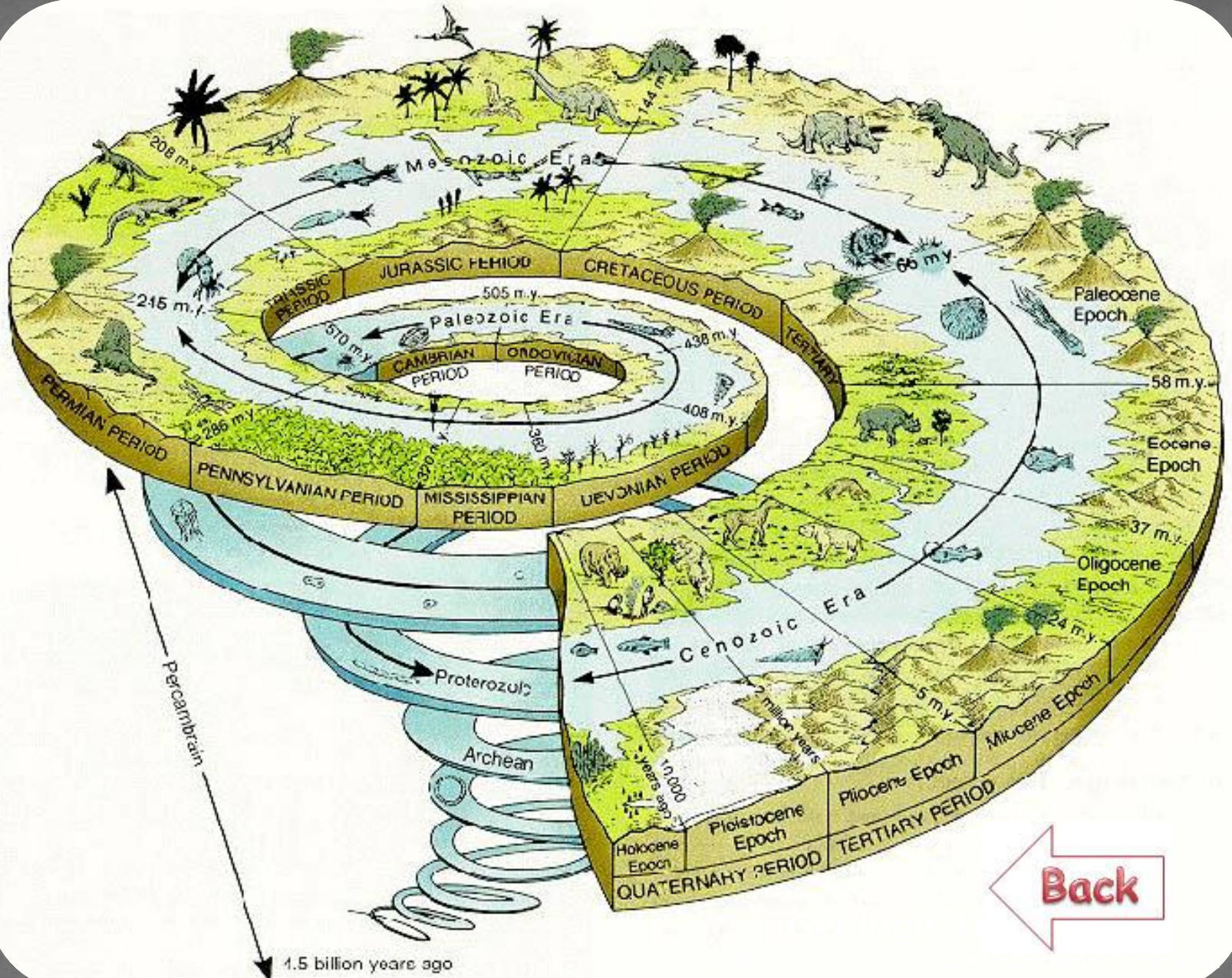
(From Decade of North American Geology, 1983)

← Back to Station 16



Geologic Time Spiral

Click on picture to enlarge



Back

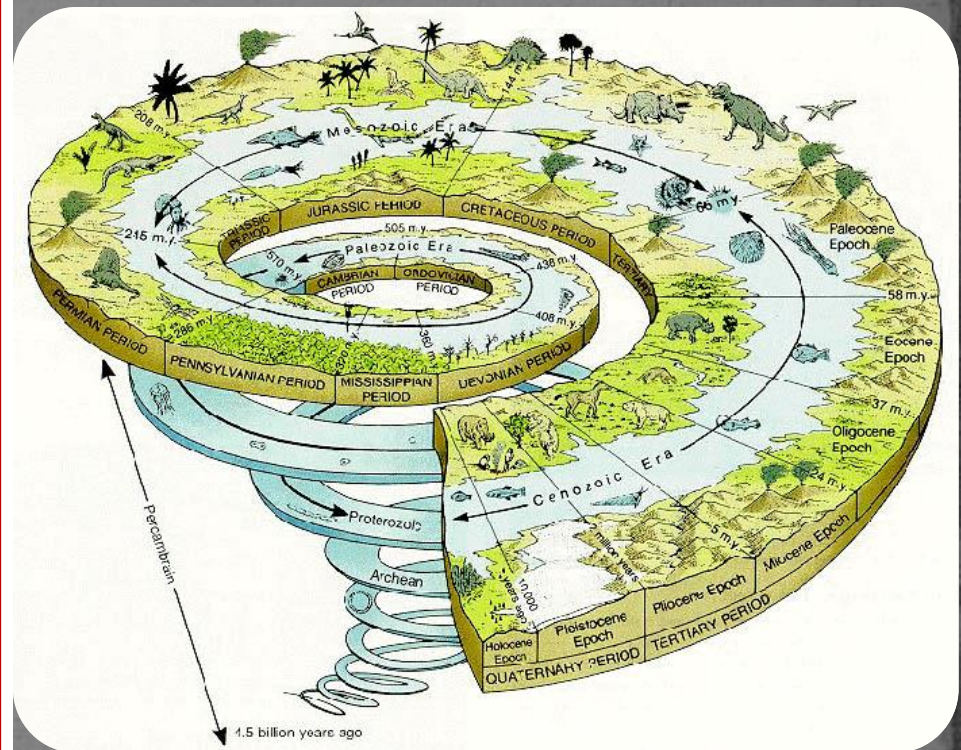
GEOLOGIC TIME SCALE

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

(From Decade of North American Geology, 1983)

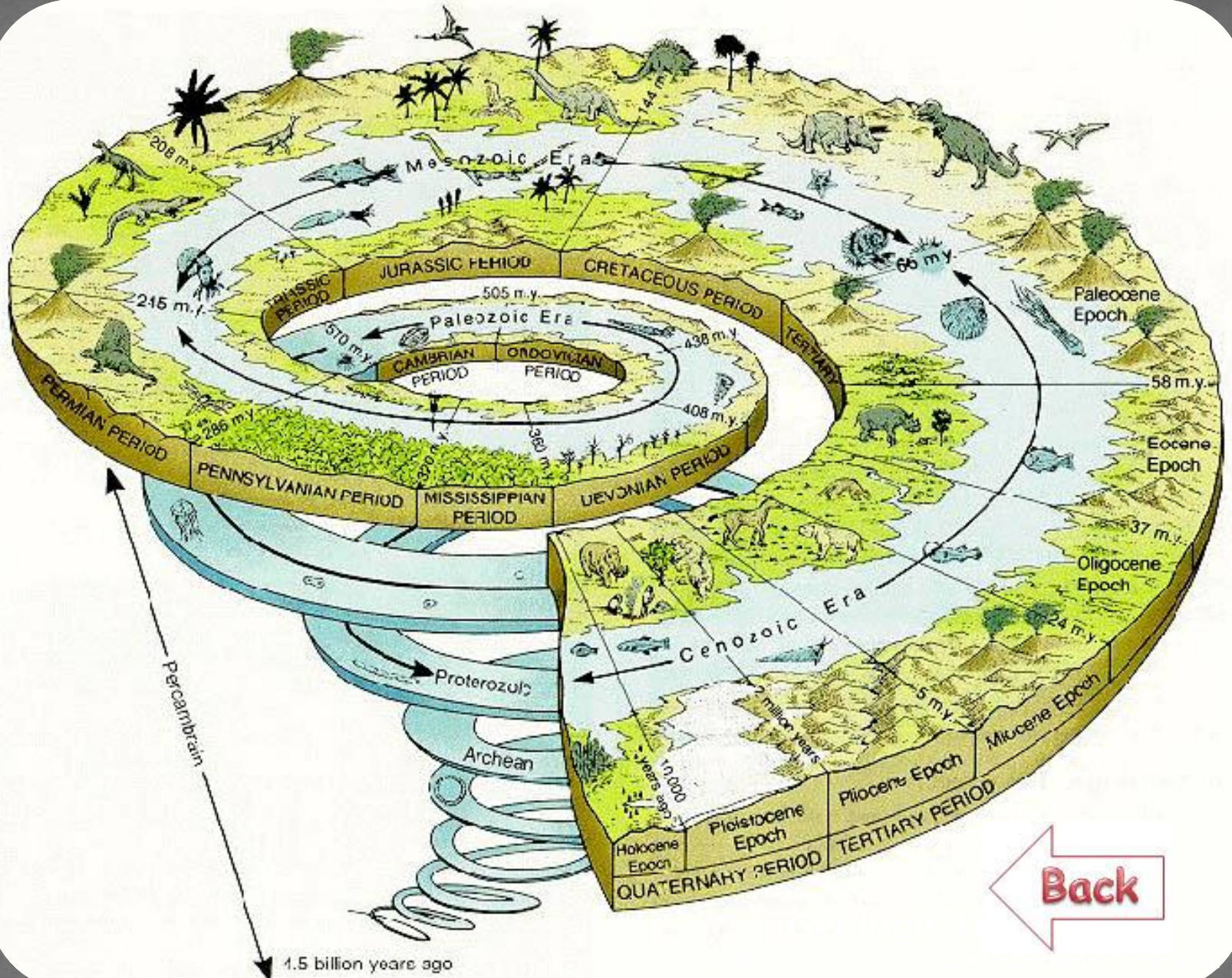
AGE IN MILLIONS OF YEARS BEFORE PRESENT

← Back to Station 17



Geologic Time Spiral

Click on picture to enlarge

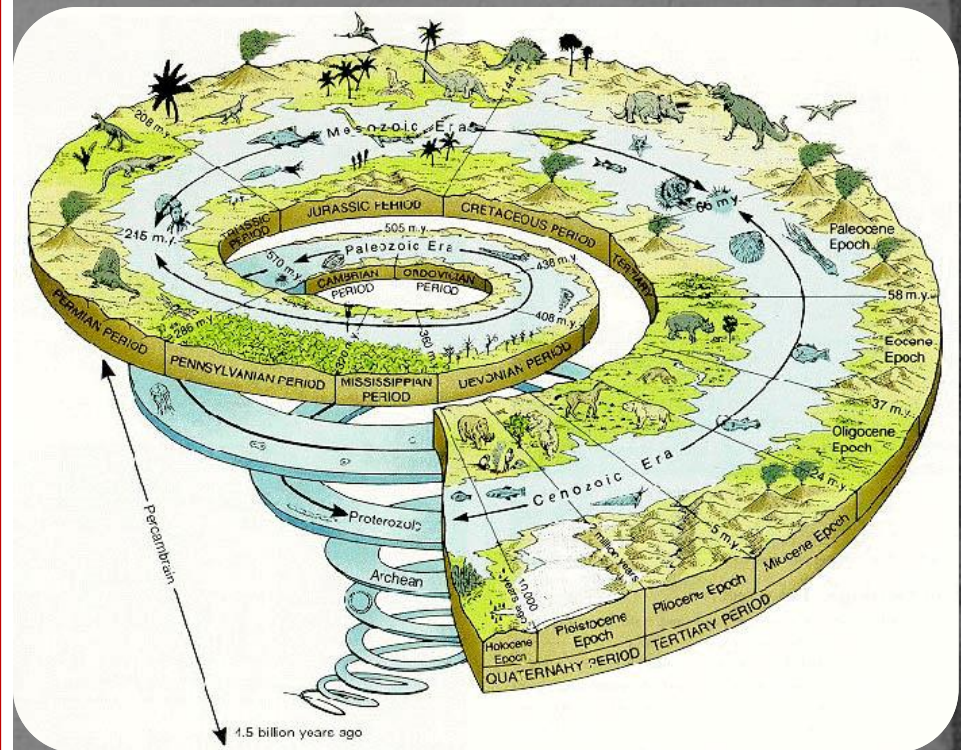


GEOLOGIC TIME SCALE

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

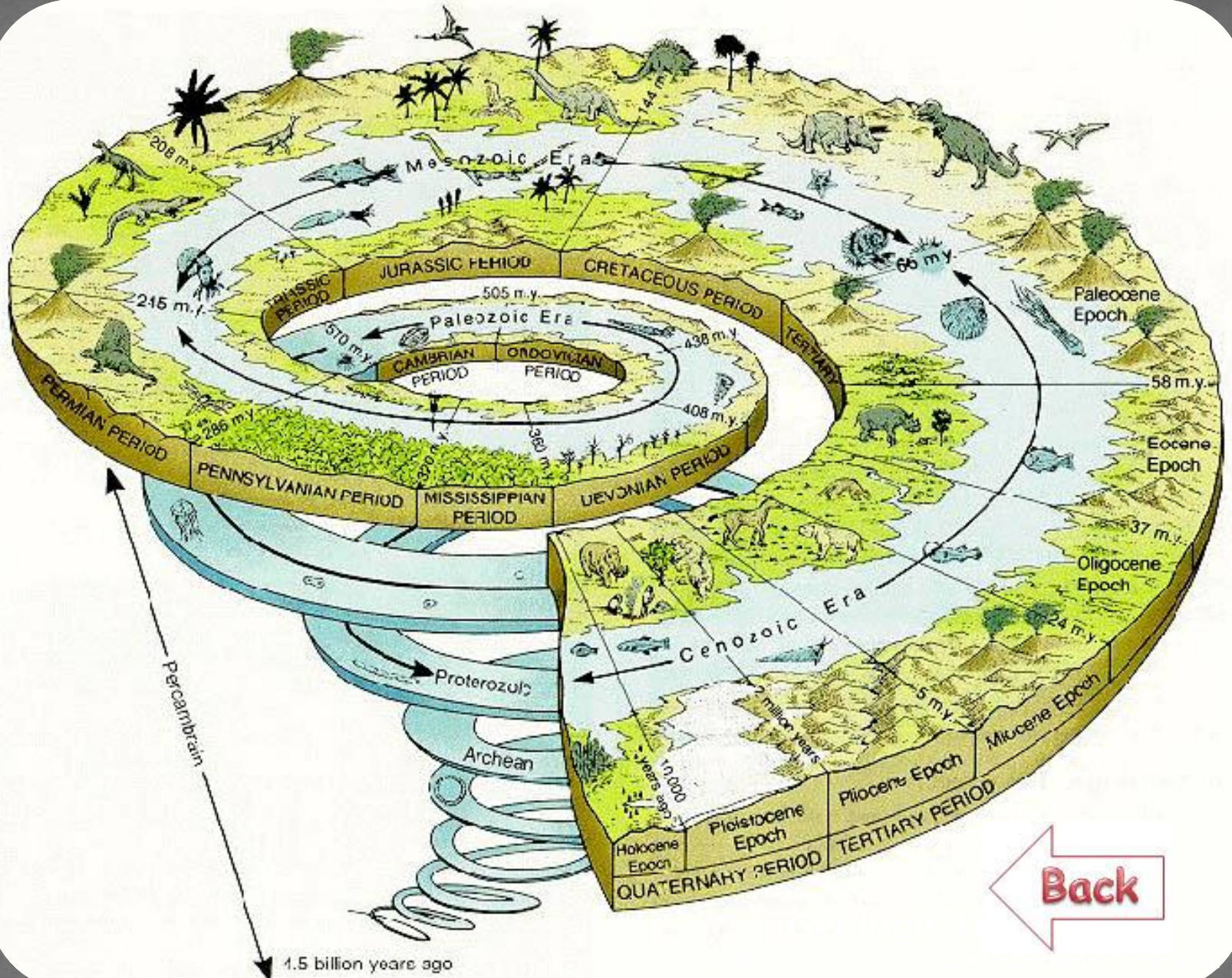
(From Decade of North American Geology, 1983)

AGE IN MILLIONS OF YEARS BEFORE PRESENT



Geologic Time Spiral

Click on picture to enlarge



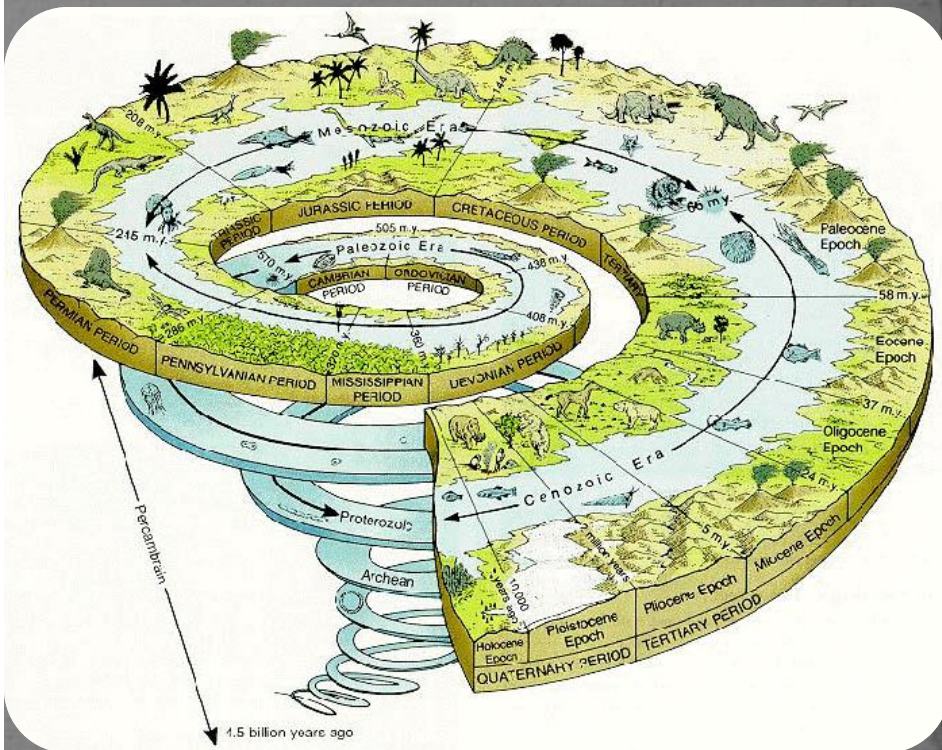
[Back](#)

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
				Oligocene	36.6
			Paleogene	Eocene	57.8
				Paleocene	66.4
				Mesozoic	Cretaceous
		Jurassic	208		
	Triassic	245			
	Paleozoic	Permian		286	
				320	
		Carboniferous	Pennsylvanian	360	
			Mississippian	408	
		Devonian	438		
		Silurian	505		
		Ordovician	570		
		Cambrian	2500		
	Precambrian	Proterozoic		3800	
Archean		4550			
Hadean					

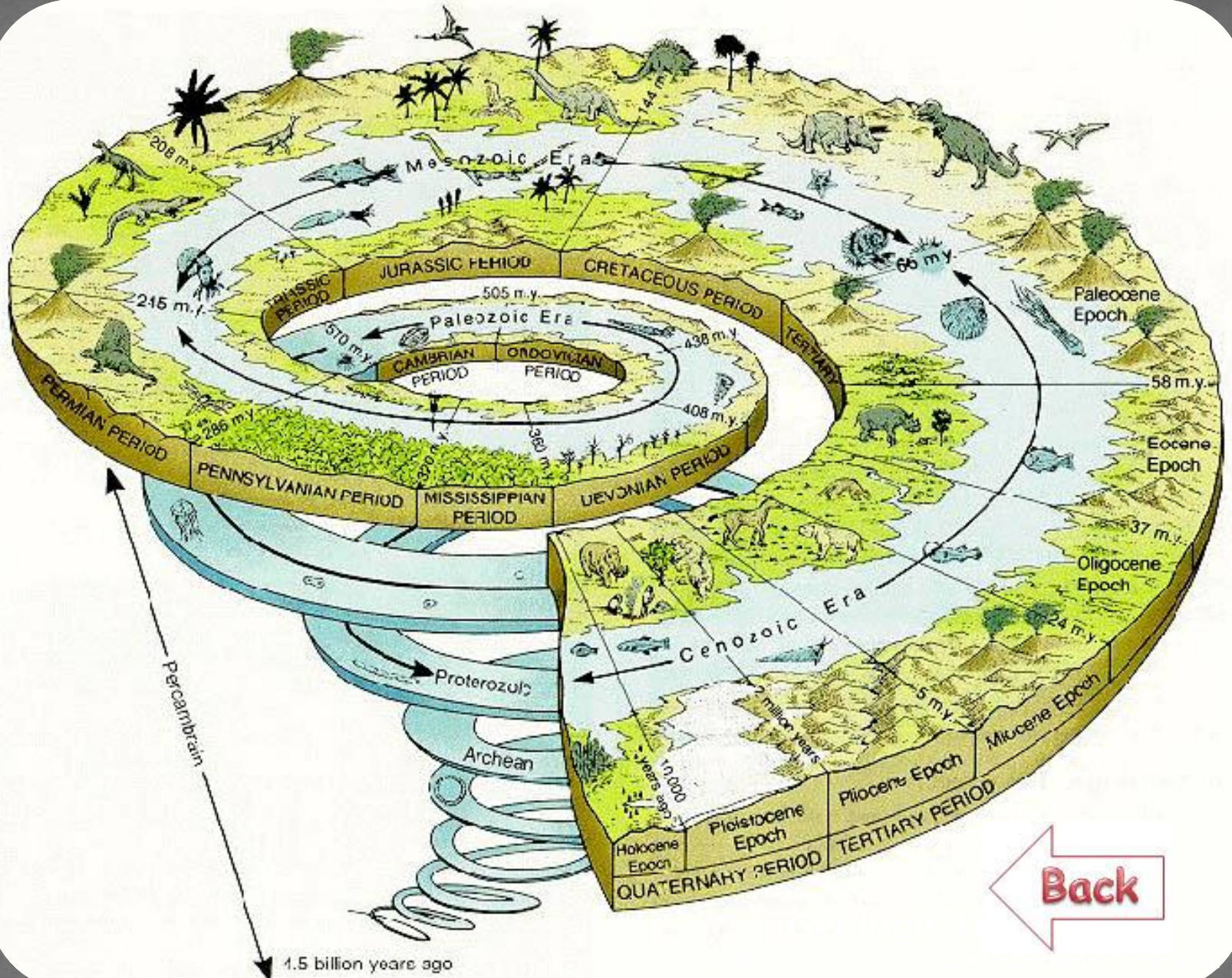
(From Decade of North American Geology, 1983)

← Back to Station 19



Geologic Time Spiral

Click on picture to enlarge



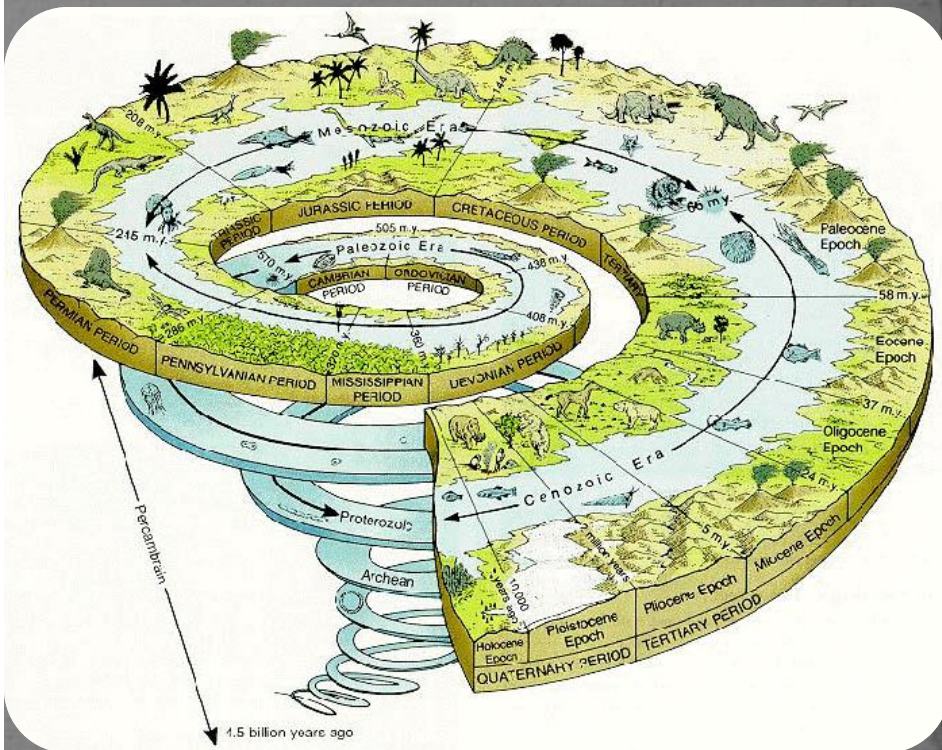
[Back](#)

GEOLOGIC TIME SCALE

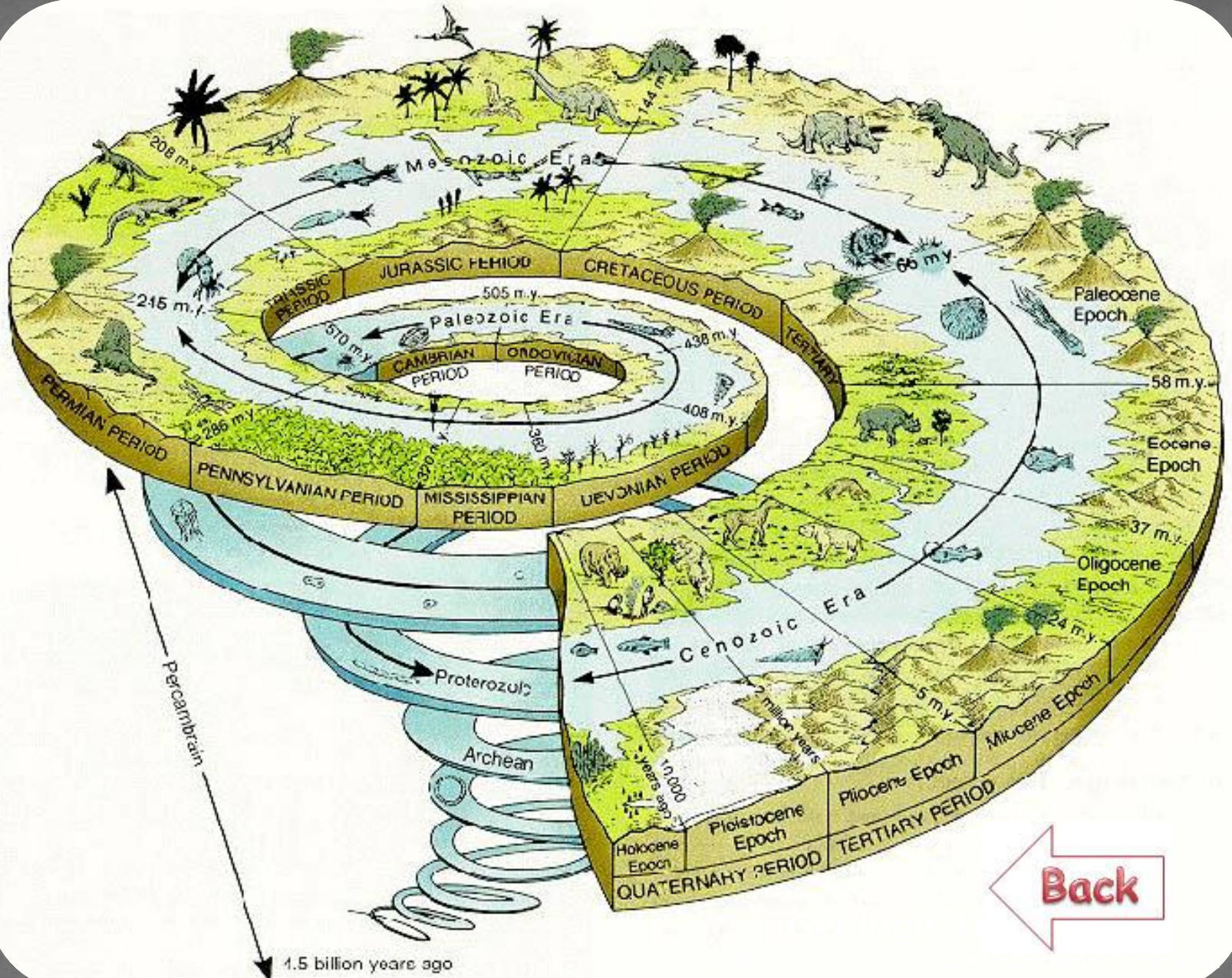
EON	ERA	PERIOD	EPOCH	AGE IN MILLIONS OF YEARS BEFORE PRESENT	
Phanerozoic	Cenozoic	Quaternary	Holocene	Present	
			Pleistocene	0.01	
		Tertiary	Neogene	Pliocene	1.6
				Miocene	5.3
				Oligocene	23.7
			Paleogene	Eocene	36.6
				Paleocene	57.8
				Cretaceous	66.4
		Mesozoic	Jurassic	144	
			Triassic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

(From Decade of North American Geology, 1983)

← Back to Station 20



Geologic Time Spiral
Click on picture to enlarge



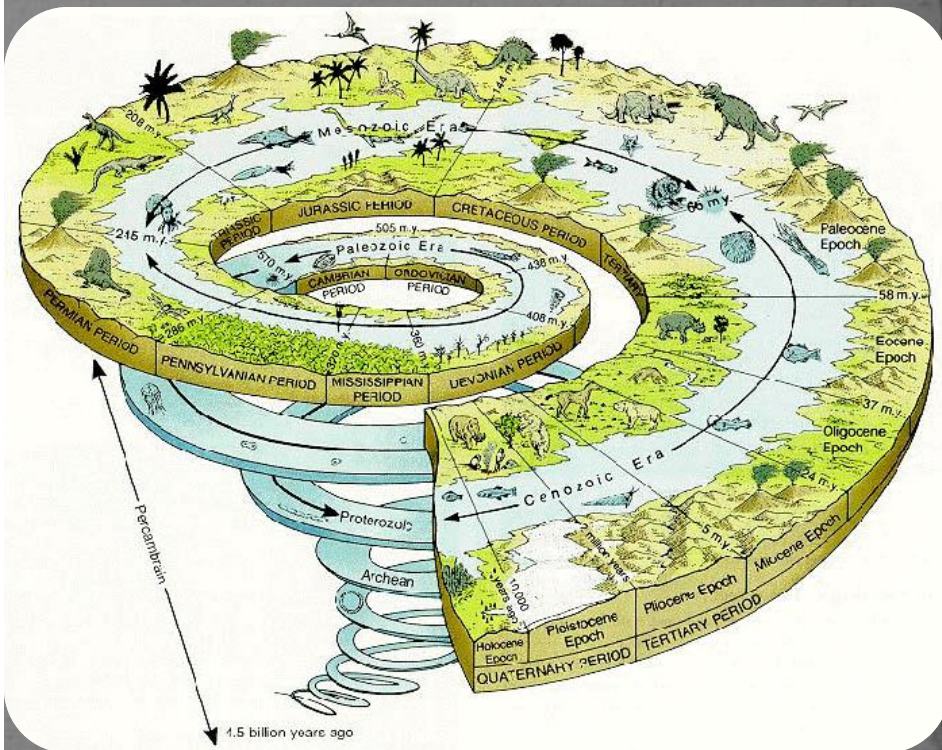
[Back](#)

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
				Oligocene	36.6
			Paleogene	Eocene	57.8
				Paleocene	66.4
				Mesozoic	Cretaceous
		Jurassic	208		
	Triassic	245			
	Paleozoic	Permian		286	
				320	
		Carboniferous	Pennsylvanian	360	
			Mississippian	408	
		Devonian	438		
		Silurian	505		
		Ordovician	570		
		Cambrian	2500		
	Precambrian	Proterozoic		3800	
Archean		4550			
Hadean					

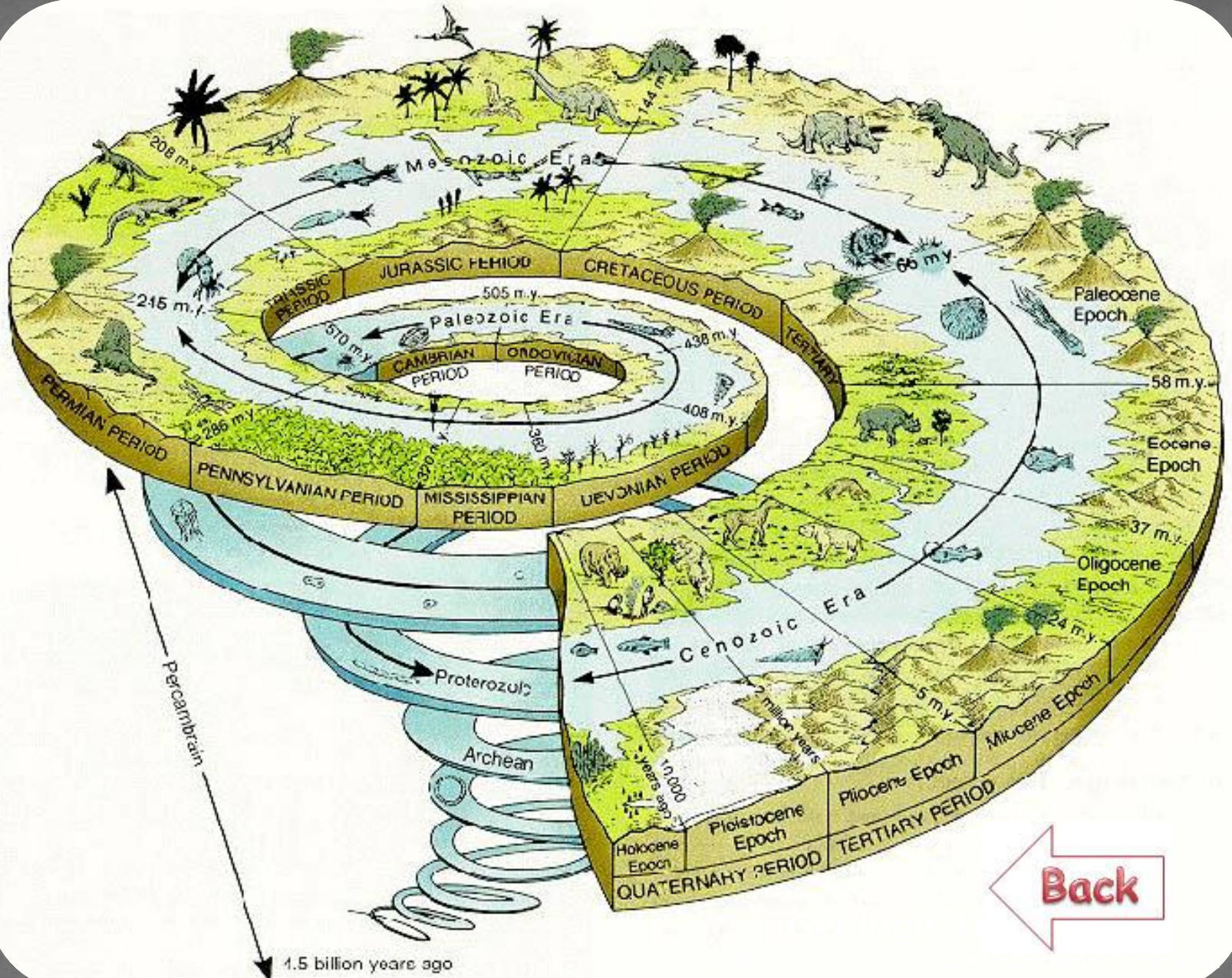
(From Decade of North American Geology, 1983)

← Back to Station 21



AGE IN MILLIONS OF YEARS BEFORE PRESENT

Geologic Time Spiral
Click on picture to enlarge



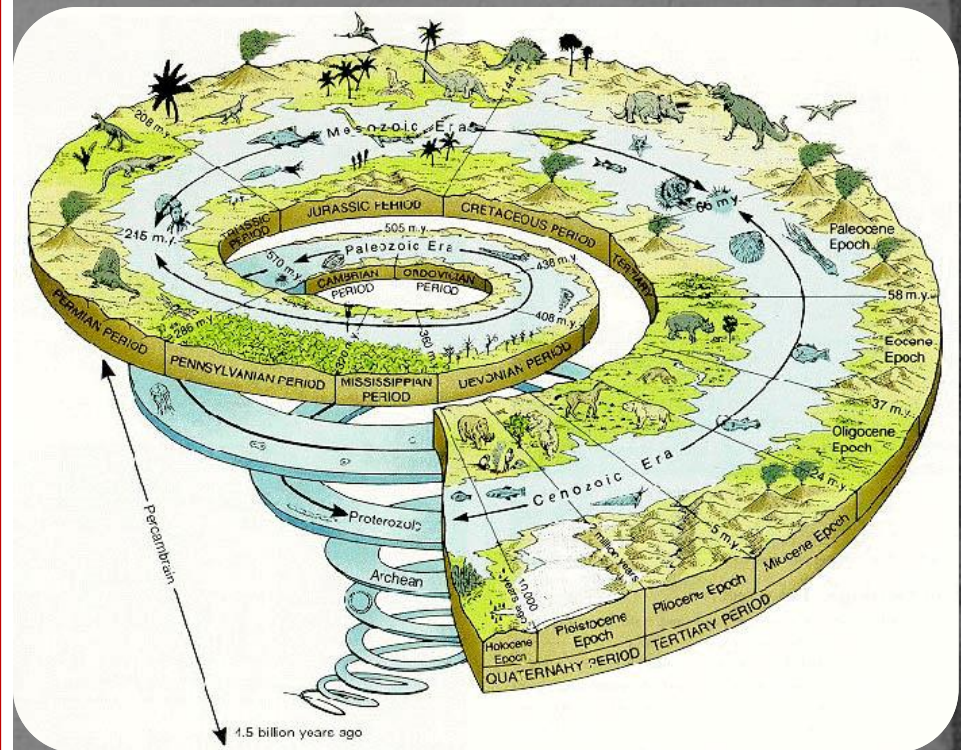
[Back](#)

GEOLOGIC TIME SCALE

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

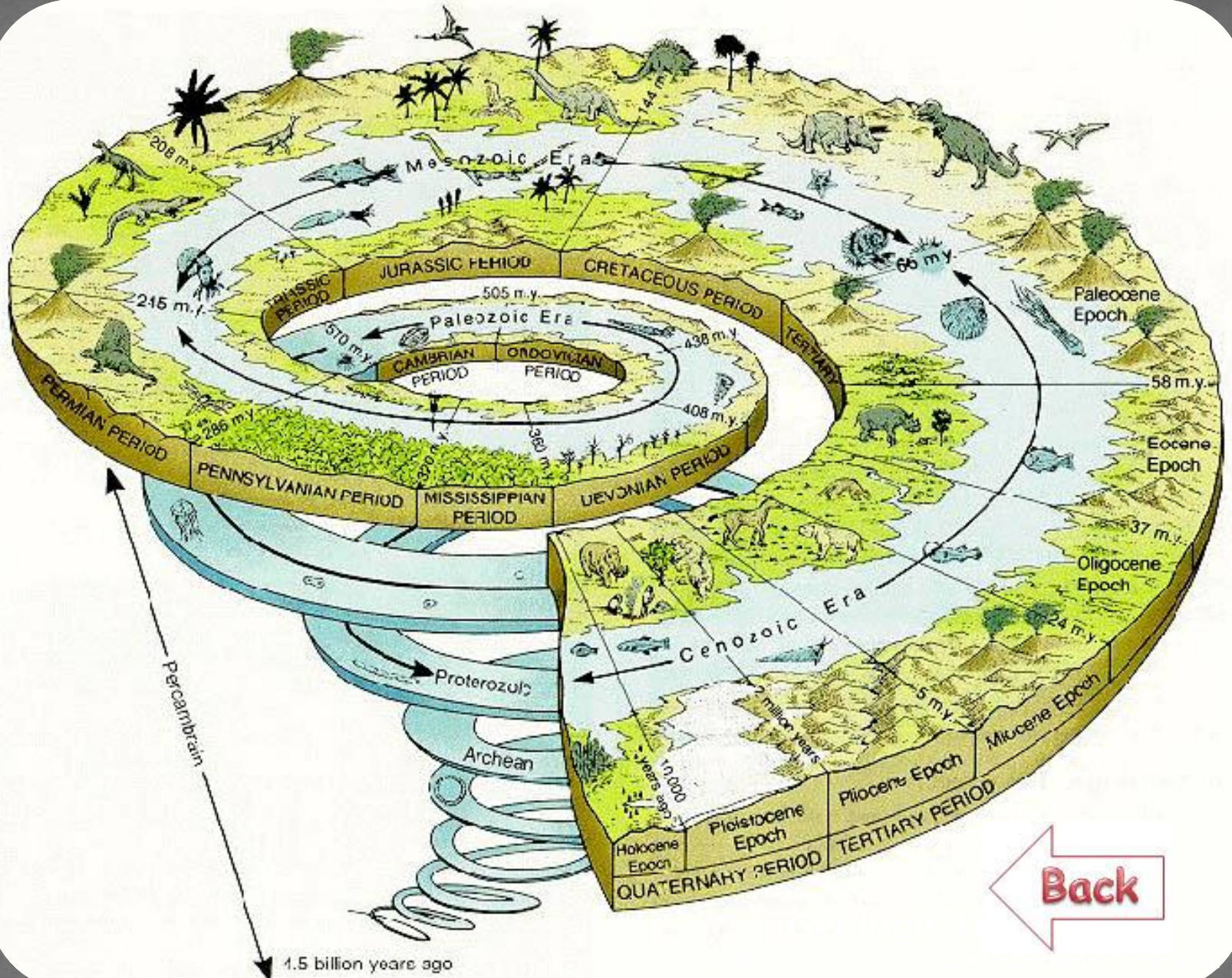
(From Decade of North American Geology, 1983)

AGE IN MILLIONS OF YEARS BEFORE PRESENT



Geologic Time Spiral

Click on picture to enlarge



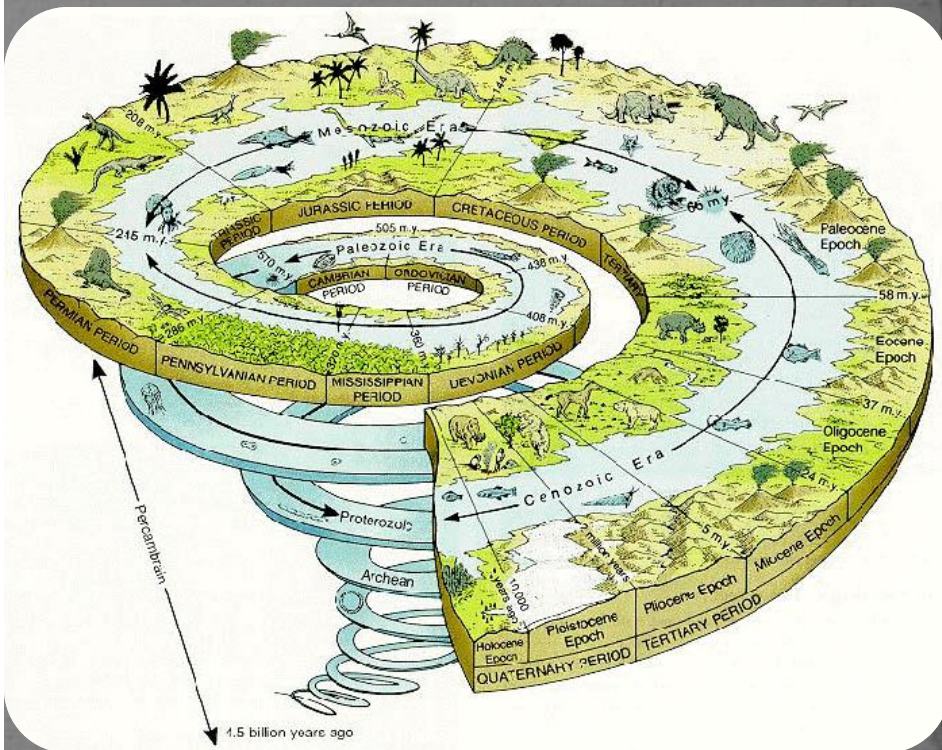
[Back](#)

GEOLOGIC TIME SCALE

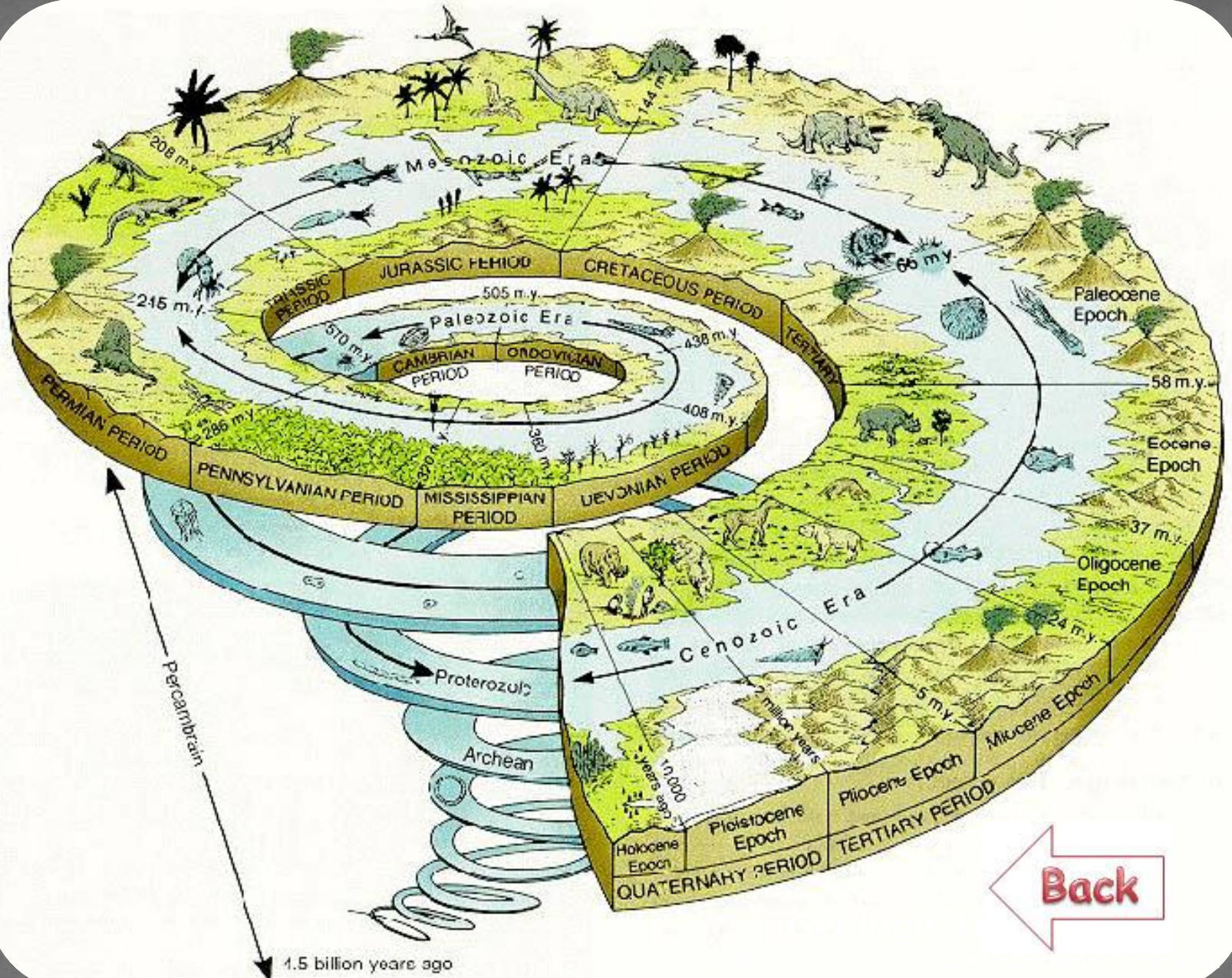
EON	ERA	PERIOD	EPOCH	Present	
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01	
			Pleistocene	1.6	
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
				Oligocene	36.6
			Paleogene	Eocene	57.8
	Paleocene			66.4	
	Mesozoic			Cretaceous	144
		Jurassic	208		
		Triassic	245		
	Paleozoic	Permian		286	
				320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

(From Decade of North American Geology, 1983)

Back to Station 23



Geologic Time Spiral
Click on picture to enlarge



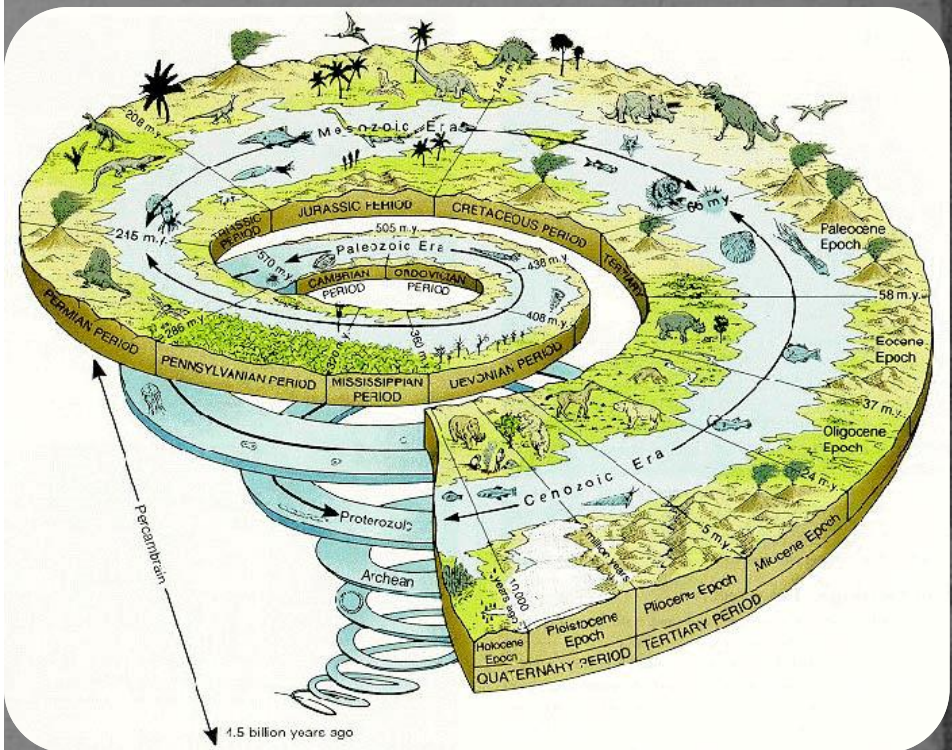
Back

GEOLOGIC TIME SCALE

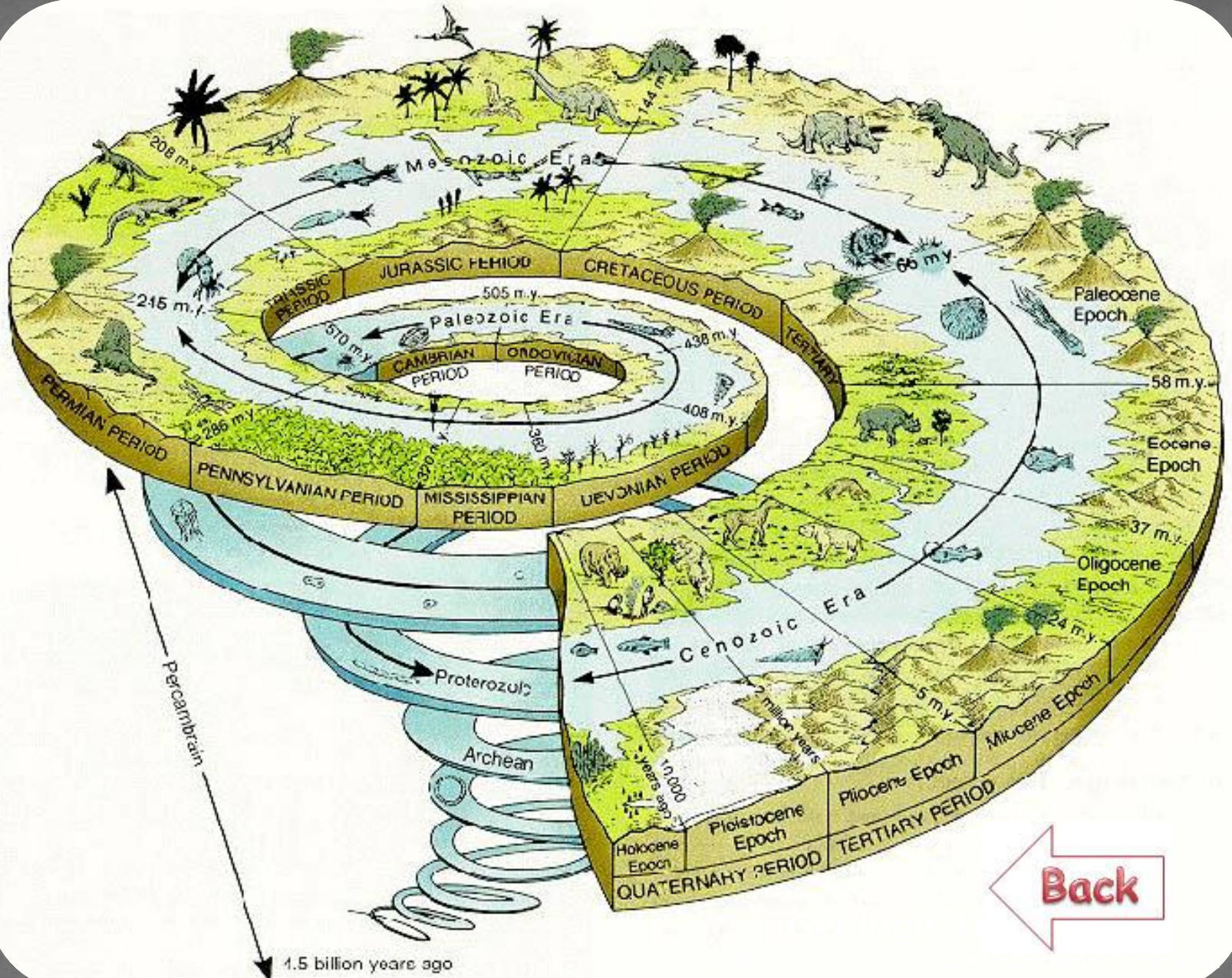
eon	ERA	PERIOD	EPOCH	Present	
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01	
			Pleistocene	1.6	
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.7
				Oligocene	36.6
			Paleogene	Eocene	57.8
				Paleocene	66.4
				Mesozoic	Cretaceous
		Jurassic	208		
	Triassic	245			
	Paleozoic	Permian		286	
				320	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

(From Decade of North American Geology, 1983)

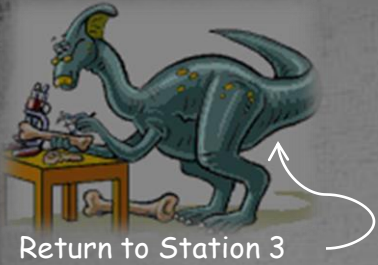
← Back to Station 24



Geologic Time Spiral
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[Back](#)



Return to Station 3

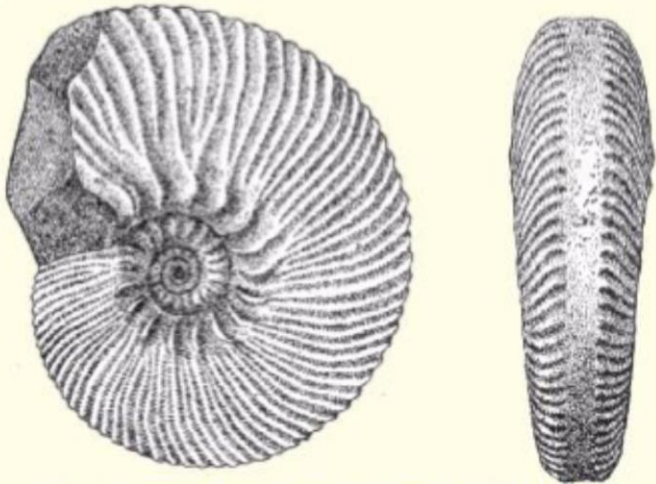


Return to Index



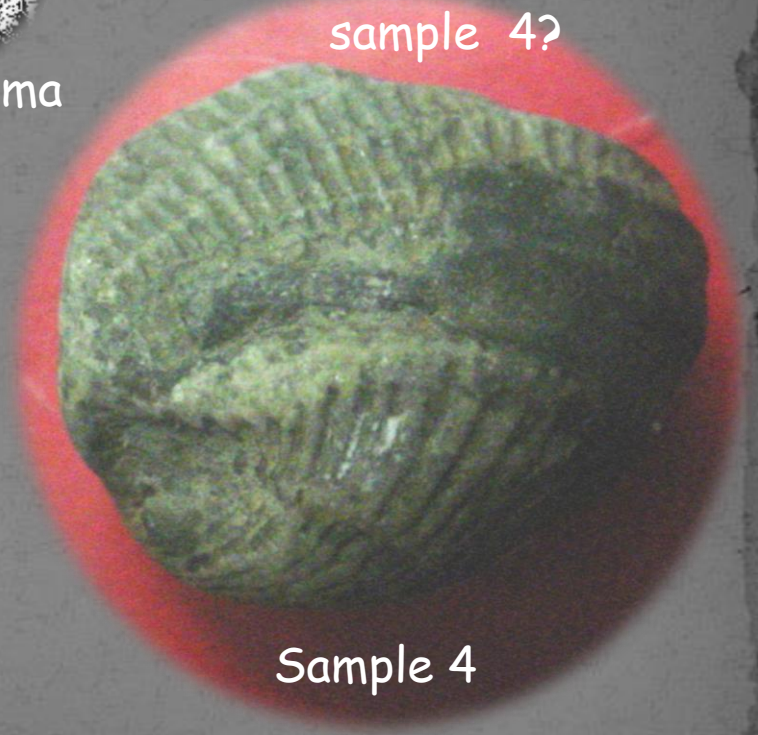
Hormotoma

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



Aulacostephanus pseudomutabilis (de Loriol)

Aulacostephanus



Sample 4

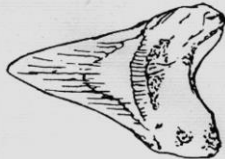


Trochonema

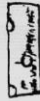
Acanthoscaphites
(Cretaceous)



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)



Sample 5



Click to enlarge

Munsteroceras parallelum
(Mississippian)



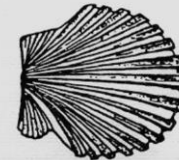
Neospirifer triplicatus
(Pennsylvanian)



Oleneothyris harlani
(Cretaceous)



Pecten jeffersonius
(Tertiary-Quaternary)



Pentremites
(Mississippian)



Phacops rana
(Devonian)



Spirifer pellaensis
(Mississippian)



Tetragramma agassizi
(sea urchin; Cretaceous)



Turritella alticostata
(Tertiary)



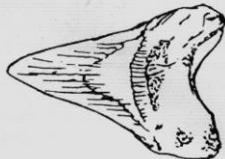
Venericardia robustus
(clam; Tertiary-Quaternary)



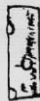
Acanthoscaphites
(Cretaceous)



Carcharodon
(shark tooth; Tertiary-Miocene)



Crinoid
(sea "lily" stem, Mississippian)



Flexicalymene meeki
(Silurian)



Meekoceras gracilitatis
(Triassic)



Merychippus
(horse tooth; Tertiary-Miocene)



Munsteroceras parallelum
(Mississippian)



Neospirifer triplicatus
(Pennsylvanian)



Oleneothis harlani
(Cretaceous)



Pecten jeffersonius
(Tertiary-Quaternary)



Pentremites
(Mississippian)



Phacops rana
(Devonian)



Spirifer pellaensis
(Mississippian)



Tetragramma agassizi
(sea urchin; Cretaceous)



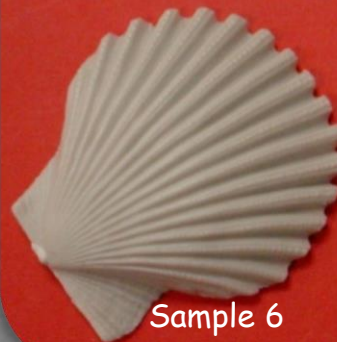
Turritella alticostata
(Tertiary)



Venericardia robustus
(clam; Tertiary-Quaternary)



[Return to Station 5](#)



Sample 6

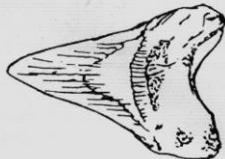


[Click to enlarge](#)

Acanthoscaphites
(Cretaceous)



Carcharodon
(shark tooth; Tertiary-Miocene)



Sample 7



Flexicalymene meeki
(Silurian)



Meekoceras gracilitatis
(Triassic)



Sample 8



Click to
enlarge

Munsteroceras parallelum
(Mississippian)



Neospirifer triplicatus
(Pennsylvanian)



Oleneothis harlani
(Cretaceous)



Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)



Phacops rana
(Devonian)



Spirifer pellaensis
(Mississippian)



Tetragramma agassizi
(sea urchin; Cretaceous)



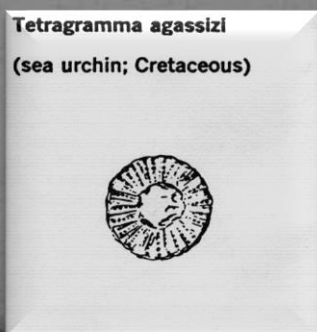
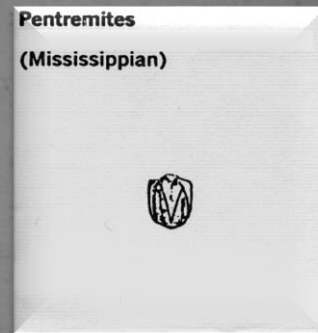
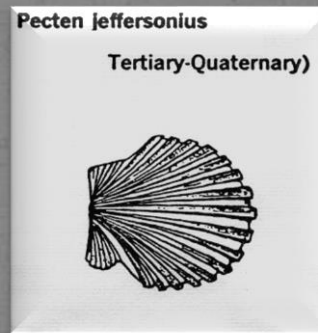
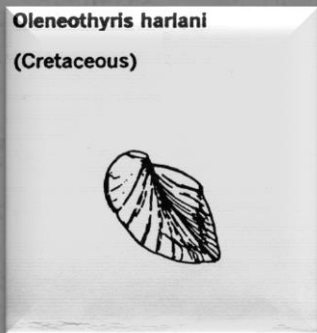
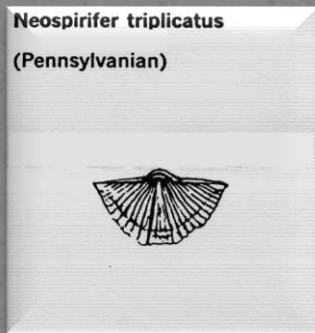
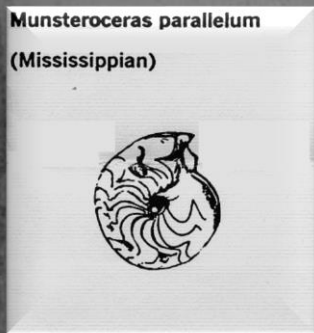
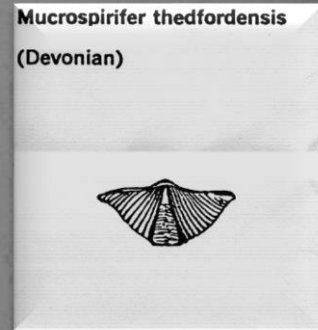
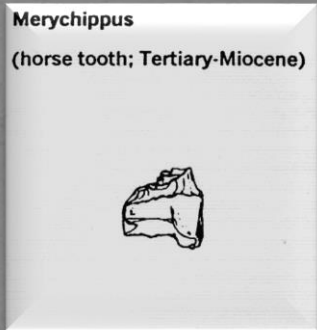
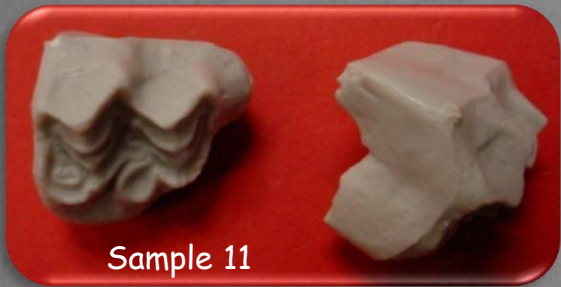
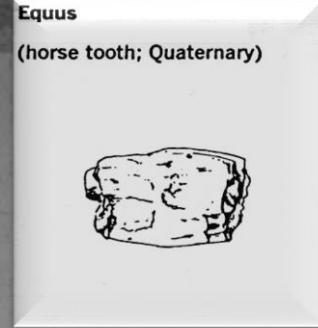
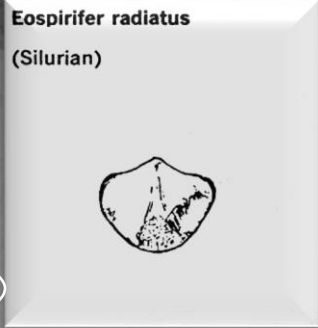
Turritella alticostata
(Tertiary)

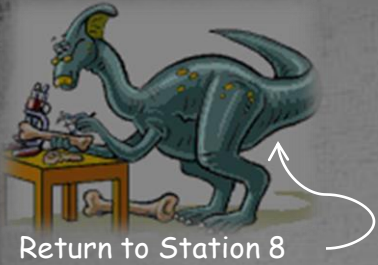


Venericardia robustus
(clam; Tertiary-Quaternary)



Return to Station 6





[Return to Index](#)

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



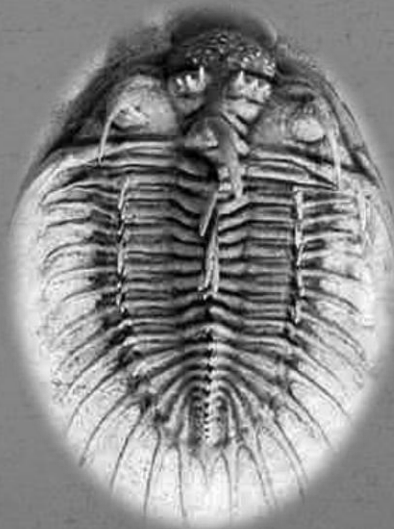
Calymene



Isotelus



Sample 12

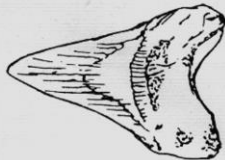


Olenoides

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)



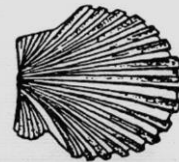
Neospirifer triplicatus
(Pennsylvanian)



Oleneothis harlani
(Cretaceous)



Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)



Phacops rana
(Devonian)



Spirifer pellaensis
(Mississippian)



Tetragramma agassizi
(sea urchin; Cretaceous)



Turritella alticostata
(Tertiary)



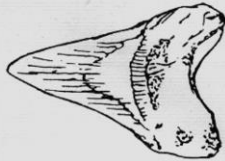
Venericardia robustus
(clam; Tertiary-Quaternary)



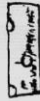
Acanthoscaphites
(Cretaceous)



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)



Click to enlarge

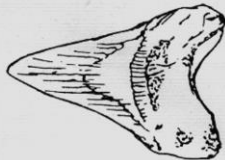


Sample 14

Acanthoscaphites
(Cretaceous)



Carcharodon
(shark tooth; Tertiary-Miocene)



Return to Station 11

Click to
enlarge



Sample 15

Flexicalymene meeki
(Silurian)



Meekoceras gracilitatis
(Triassic)



Merychippus
(horse tooth; Tertiary-Miocene)



Munsteroceras parallelum
(Mississippian)



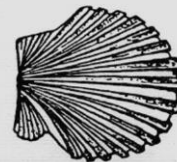
Neospirifer triplicatus
(Pennsylvanian)



Oleneothis 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)



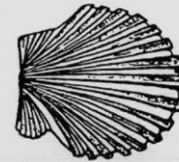
Oleneothyris harlani

(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

click to enlarge



Sample 18



Return to Station 13

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 15

[Return to Index](#)

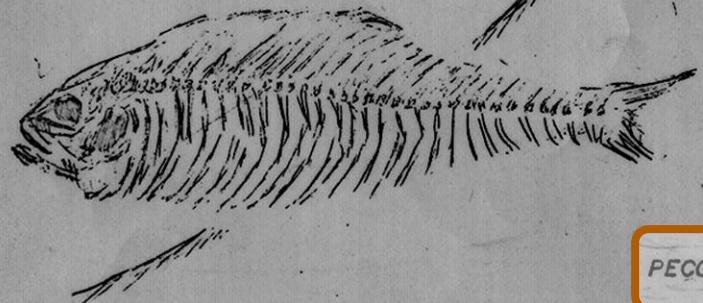
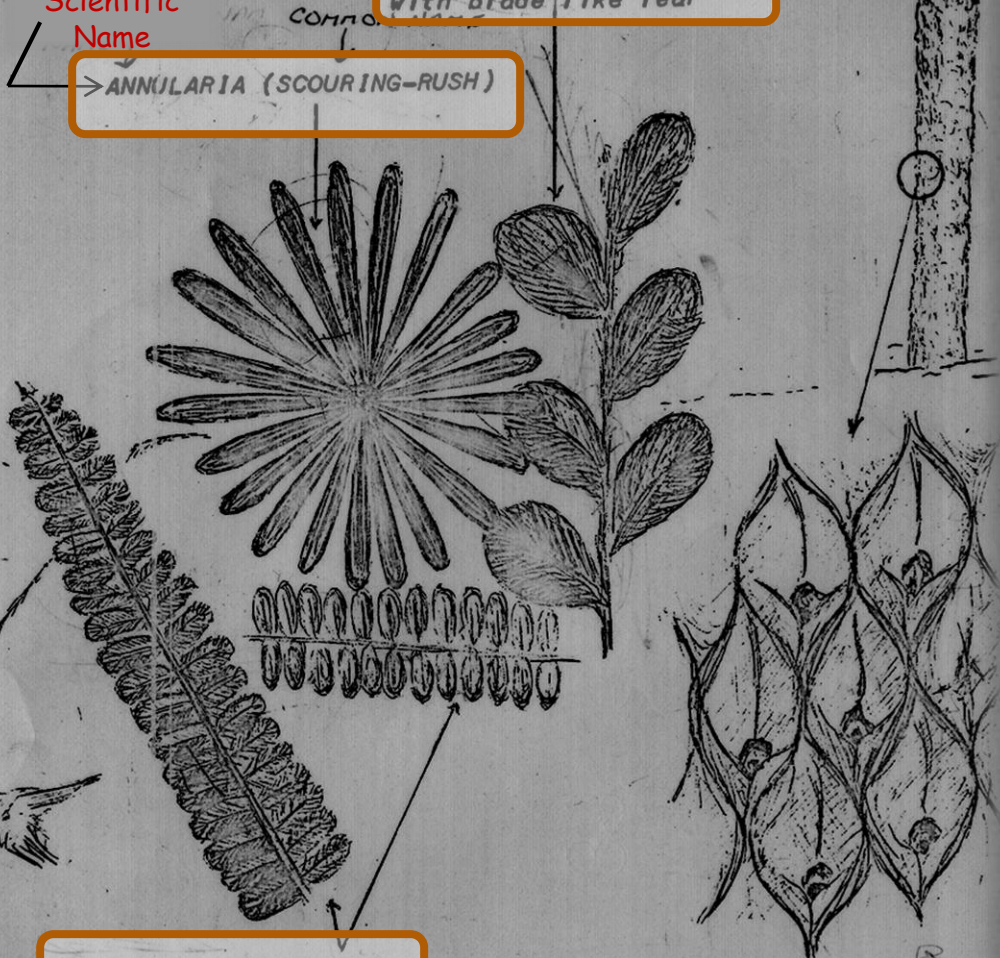
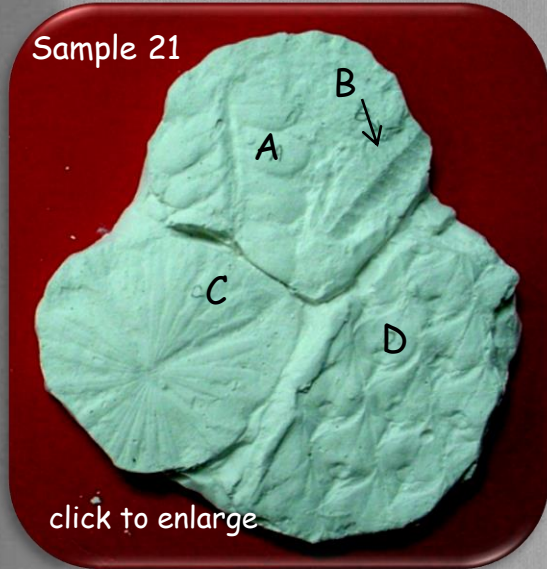
NATURE STUDY AIDS

ATKINSON, WISCONSIN 53538

Scientific Name

NEUROPTERIS (SEED-FERN)
with blade like leaf

ANNULARIA (SCOURING-RUSH)



FISH
40 MILLION YEARS AGO.

PECOPTERIS (SEED-FERN)

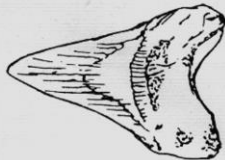
300 Million years ago

LEPIDODENDRON (SCALE-TREE)
300 Million years ago.

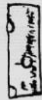
Acanthoscaphites
(Cretaceous)



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)



Sample 22

click to enlarge



Sample 23

[Return to Index](#)

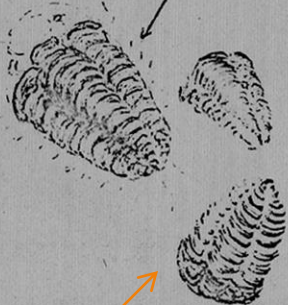


[Return to Station 17](#)

Sample
24

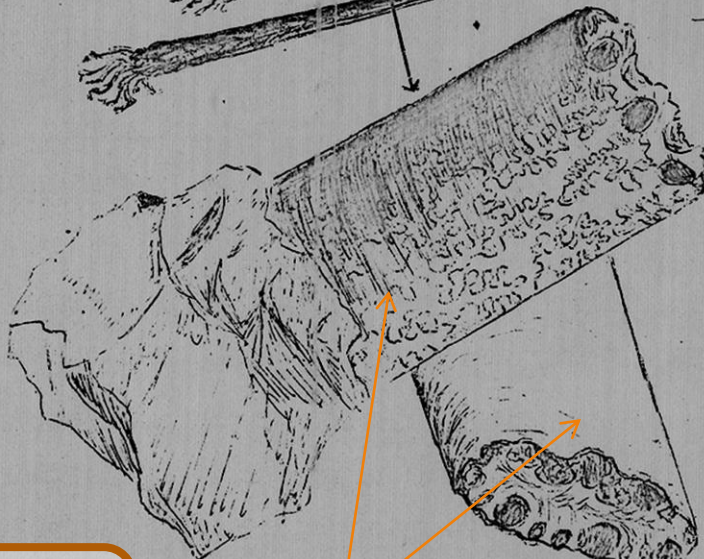
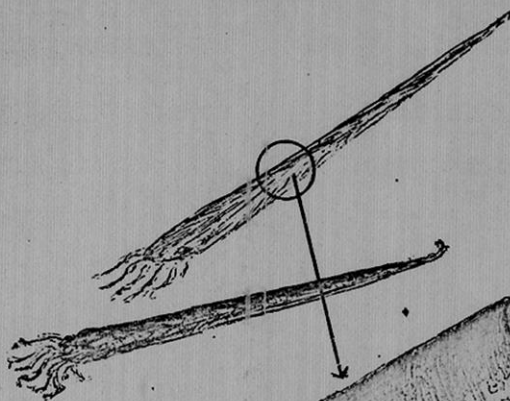


click to enlarge

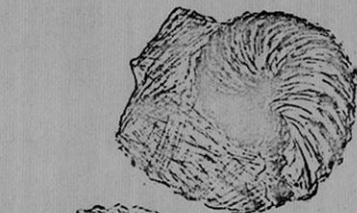


TRILOBITE (THREE-LOBE)
From 600 Million to
250 Million years ago.

Your replica- 500 Million years.



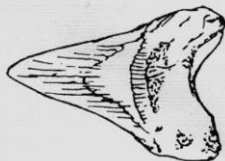
CEPHALOPOD (HEAD-FOOT)
From 600 Million years ago to present
Your replica - 100 Million years old.



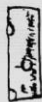


Return to Station 18

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)



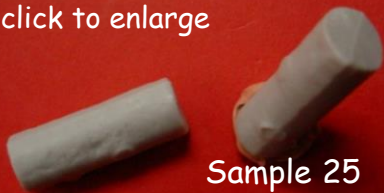
Michelinoceras sociale
(Ordovician)



Mucrospirifer thedfordensis
(Devonian)



click to enlarge



Sample 25

Oleneothyris harlani
(Cretaceous)



Pecten jeffersonius
Tertiary-Quaternary)



Pentremites
(Mississippian)



click to enlarge



Sample 26

Tetragramma agassizi
(sea urchin; Cretaceous)



Turritella alticostata
(Tertiary)



Venericardia robustus
(clam; Tertiary-Quaternary)

click to enlarge



Sample 27





O NATURE STUDY AIDS

T ATKINSON, WISCONSIN 53538

[Return to Index](#)

[Return to Station 19](#)

Sample 28

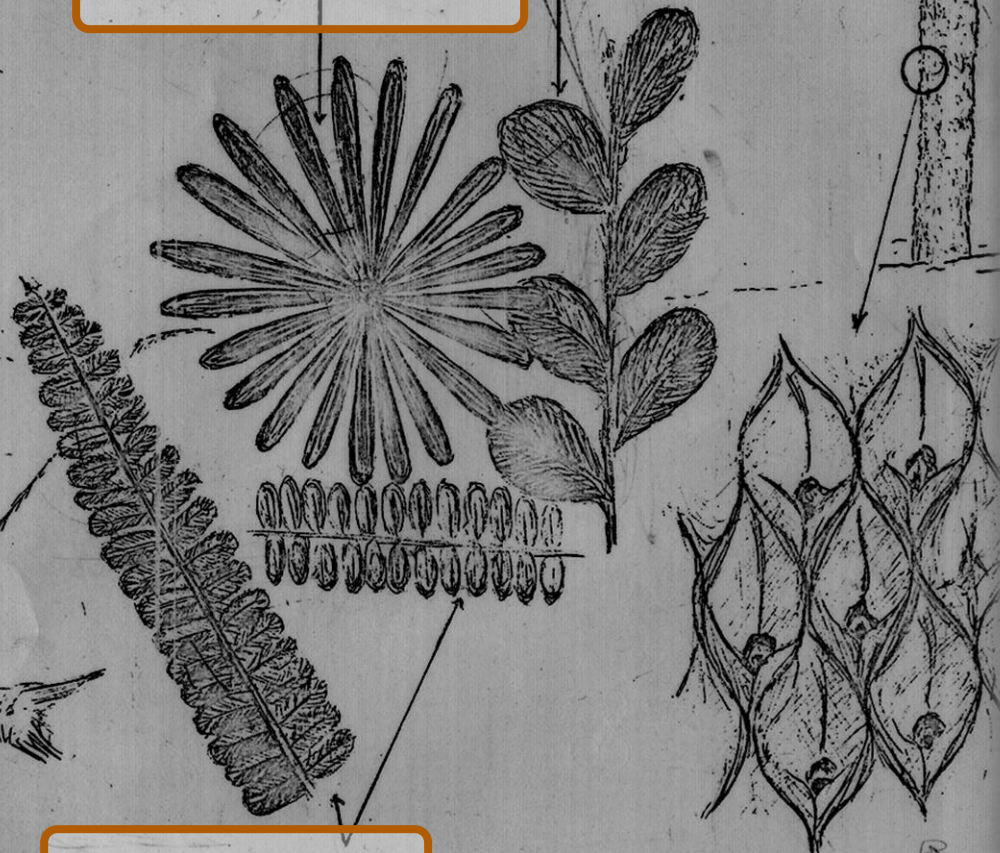


[click to enlarge](#)

Scientific Name

ANNULARIA (SCOURING-RUSH)

NEUROPTERIS (SEED-FERN)
with blade like leaf



FISH
40 MILLION YEARS AGO.

PECOPTERIS (SEED-FERN)

300 Million years ago

LEPIDODENDRON (SCALE-TREE)
300 Million years ago.

[Return to Index](#)

Sample 29



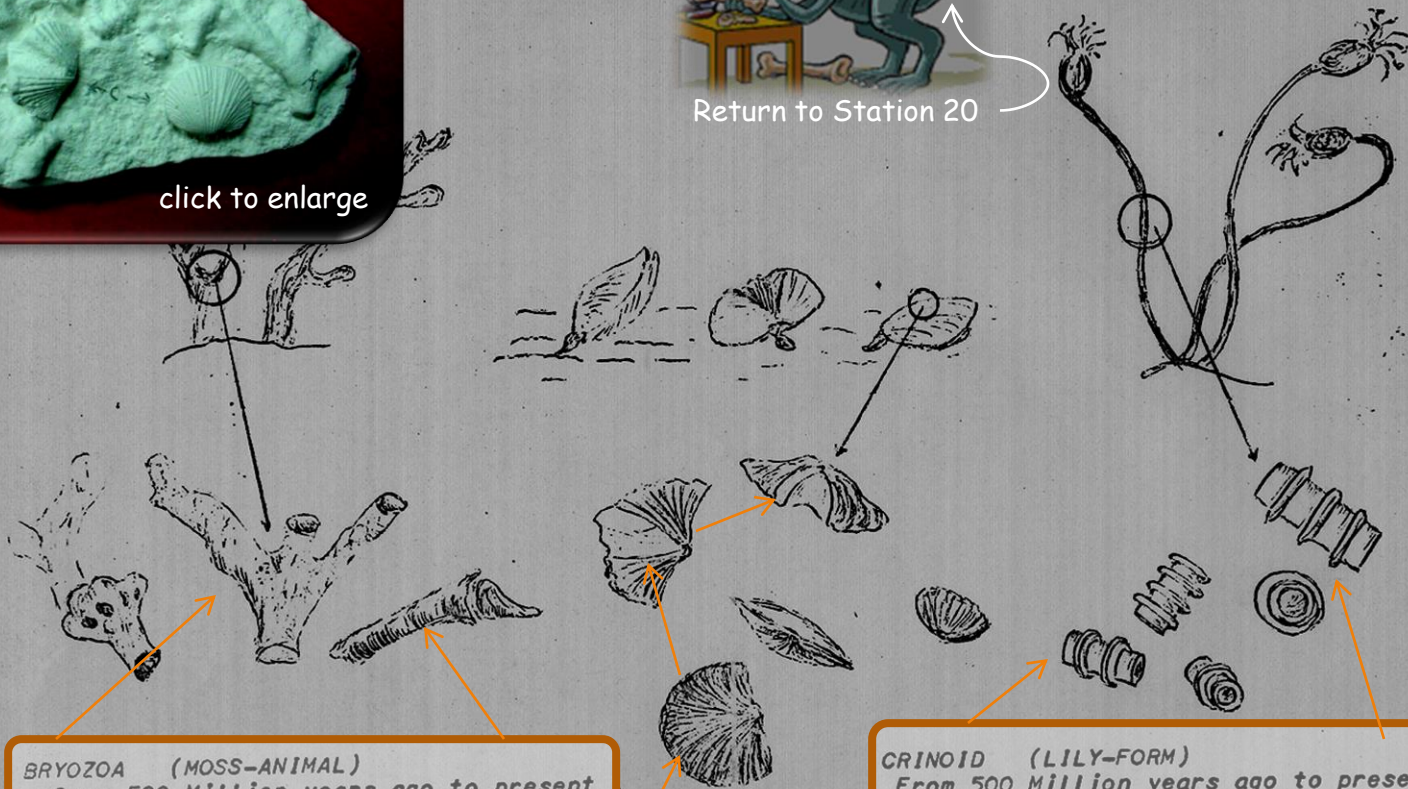
click to enlarge

STUDY AID

MS IN 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)



Oleneothis 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

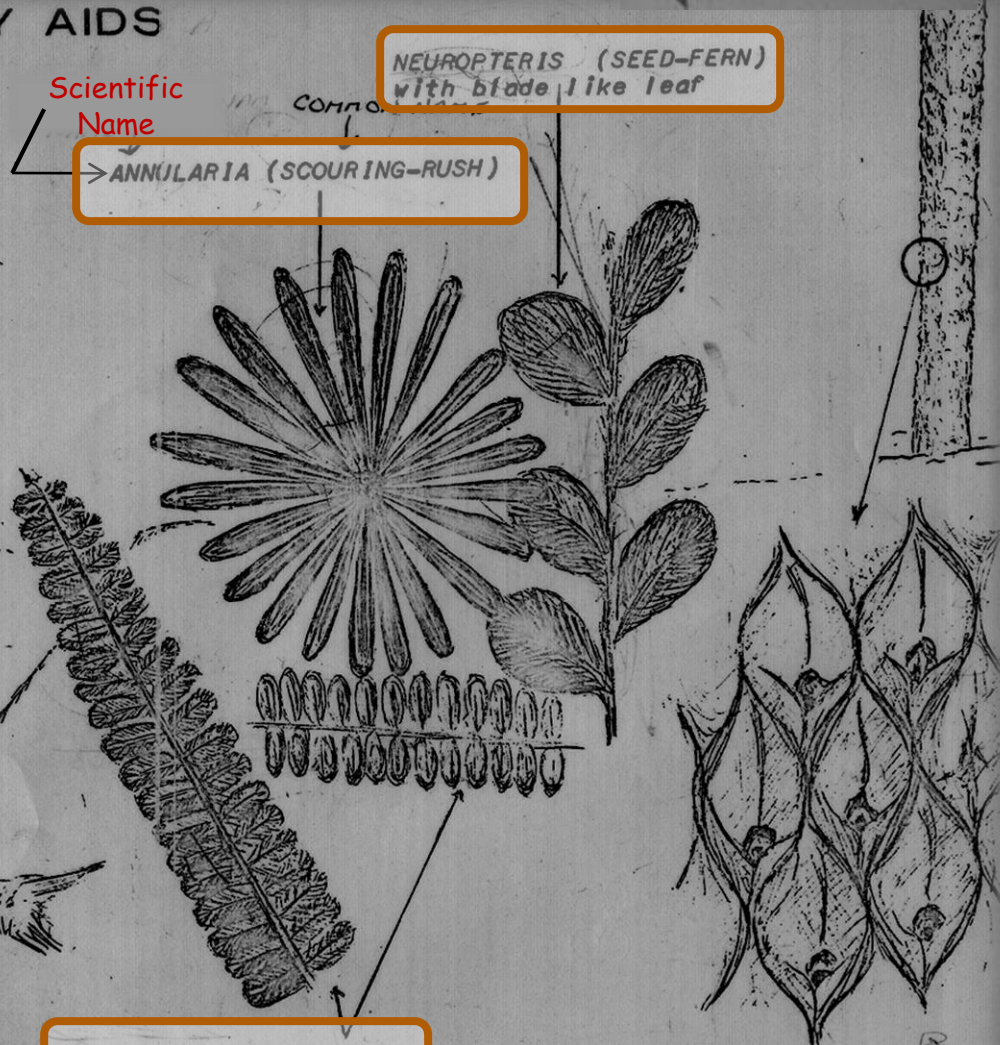


FISH
40 MILLION YEARS AGO.

PECOPTERIS (SEED-FERN)

300 Million years ago

LEPIDODENDRON (SCALE-TREE)
300 Million years ago.



click to enlarge



Sample 32



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)



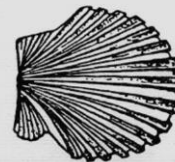
Oleneothyris harlani

(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)

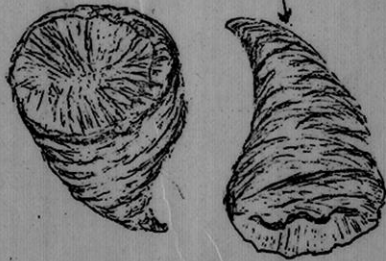
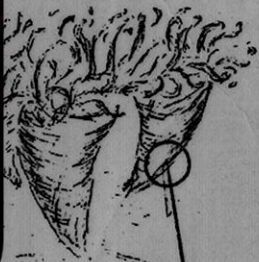
[Return to Index](#)

STATION 24
NASCO NATURE STUDY AIDS
FORT ATKINSON, WISCONSIN 53538



[Return to Station 24](#)

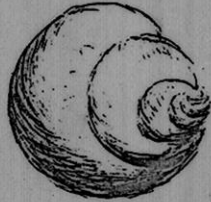
Sample 33



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.