

What is the name of the "watermark lifeform" for the following: (for those with more than one, choose one to name)
All names are found on your timeline!

Example:

_____ <i>Busycon</i> _____	Miocene Epoch	_____	Cretaceous Period	_____	Permian Period
_____	Oligocene Epoch	_____	Jurassic Period	_____	Pennsylvanian Period
_____	Eocene Epoch	_____	Triassic Period	_____	Mississippian Period
				_____	Devonian Period
				_____	Silurian Period
				_____	Ordovician Period
				_____	Cambrian Period



_____ Which lifeform appears on our timeline several times from the Cambrian through the Tertiary Periods?

Summary:

Each member of the group should choose a time **Period** to write about. Include the biological and physical events you have listed on your timeline and describe what that period was like. Each student should write about a different **Period**.

Student Name _____
Time Period _____

Student Name _____
Time Period _____

Student Name _____
Time Period _____

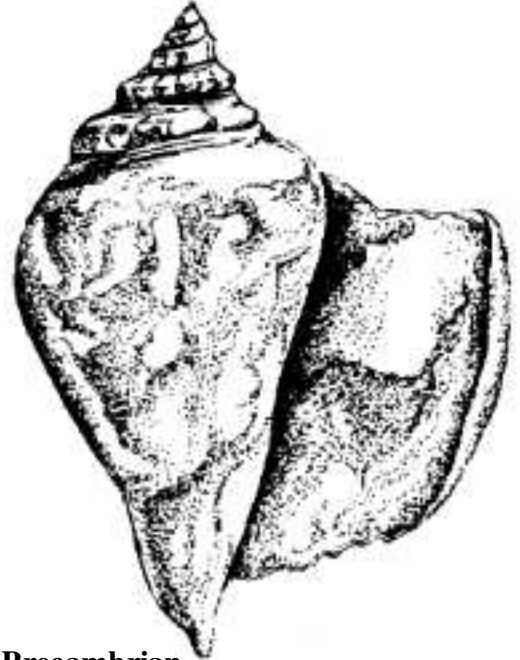
Student Name _____
Time Period _____

Student Name _____
Time Period _____



In which **Era** did each event occur: **Cenozoic Mesozoic Paleozoic Precambrian**

- _____ There were no more dinosaurs by the beginning of this Era.
- _____ Birds and mammals first appeared.
- _____ Bacteria and blue-green algae were the most complex life forms at one point of this Era.
- _____ Oxygen developed in the atmosphere.
- _____ Many scale trees and ferns developed.
- _____ Early sharks appeared.
- _____ Early reptiles first crawl upon the land.
- _____ Many pine trees appear.
- _____ **AGE OF THE DINOSAURS**
- _____ Early snails and lobsters emerged.
- _____ Many bony fish and flowering plants emerge.
- _____ Trilobites bite the dust (become extinct)
- _____ Earliest placental mammals first appear.
- _____ Early land plants and animals emerge.
- _____ Many mammals flourish.
- _____ **HUMANS FIRST APPEAR.**



In which **Era** did each of these live: **Cenozoic Mesozoic Paleozoic Precambrian**

- | | | |
|-------------------------|---------------------|-------------------------|
| _____ Eoporpita | _____ Helioceras | _____ Edmontosaurus |
| _____ Lepidodendron | _____ Hyracotherium | _____ Paleolimulus |
| _____ Tyrannosaurus Rex | _____ Carnotaurus | _____ Charnia |
| _____ Phacops | _____ Calamites | _____ Cythereis |
| _____ Baculites | _____ Dickensonia | _____ Maiasaurus Hatch. |
| _____ Kimberella | _____ Archaeopteryx | _____ Archimedes |
| _____ Bothriolepus | _____ Archaeopteris | _____ Brachylophosaurus |

In which **Period** did each of these live: **Quaternary Tertiary Cretaceous Jurassic Triassic Permian Pennsylvanian Mississippian Devonian Silurian Ordovician Cambrian**

- | | | |
|--------------------|------------------------|------------------------|
| _____ Seismosaurus | _____ Dimetrodon | _____ Acanthoscaphites |
| _____ Gallimimus | _____ Ankylosaurus | _____ Allosaurus |
| _____ Stegosaurus | _____ Pachycephalosaur | _____ Staurikosaurus |
| _____ Protosuchus | _____ Astylospongia | _____ Derbia |
| _____ Brooksella | _____ Triceratops | _____ Dilophosaurus |
| _____ Utahraptor | _____ Graphaea | _____ Polygnathus |
| _____ Sellosaurus | _____ Brachiosaurus | _____ Hinda |
| _____ Tetragraptus | _____ Velociraptor | _____ Troodon |

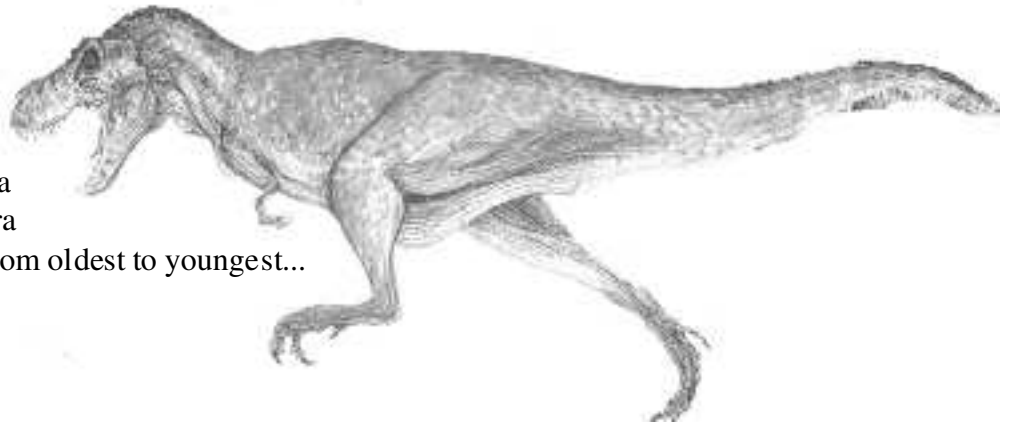
Names

Geologic Timeline

Today's date is _____ Day _____ Month _____ Year
 _____ Epoch _____ Period _____ Era

1. **Assemble** timeline.
2. **Color** timeline.
3. **Add** mountain, volcano, coal, natural gas, and oil pictures to your timeline.
4. **Write** all Biological and Physical Events on your timeline.
5. Complete the following *Geologic Timeline Grand Tour*:

Grand Tour:



_____ The Longest Era
 _____ The Shortest Era

List the Eras from oldest to youngest...

_____ (oldest)

_____ (youngest)

_____ This **Period** contains the Holocene Epoch

_____ This **Period** lasted from 400-440 Million Years ago

_____ This **Period** lasted from 500-570 Million Years ago

_____ 22 million years ago was in what **Epoch**?

_____ 148 million years ago was in which **Period**?

_____ 225 million years ago was in which **Era**?

_____ The oldest mountain range on our timeline

_____ Which formed first; **Niagra Falls** or the **Grand Canyon**?

_____ Which formed first; **Carlsbad Caverns limestone** or the **Great Salt Lake of Utah**?

_____ Which formed first; the **Atlantic Ocean** or the **Appalachian Mountains**?

_____ Which formed first; the **Petrified Forests of Arizona** or the **Badlands of South Dakota**?

_____ Which formed first; the **Great Lakes** or the **Rocky Mountains**?

