Name	Date	Class	
Deep Time: Ho	ow Old is the Earth	? Part Th	ree
Geological Time Scale			
1. Choose 5-10 significant Earth ever represent all categories (geologic, description of the eon/era with the	life, and other). You will s		
Significant Earth Event	Category of event (geologic, life, other)	Year(s)	Scale measurement
2. Construct a brief (less than three swith the class.)	sentence) description of you	ır eon/era. (Tl	his will be shared
<ul> <li>3. Use a piece of scratch paper to ca will fall. If the string is 4.6 meters</li> <li>1 meter = 1,000,000,000 or</li> <li>1 cm= 1,000,000,000 years</li> <li>1 mm= 1,000,000,000 years</li> <li>Example: 250 million years ago Per</li> </ul>	s long then: 1 billion years = 10,000,000 or 10 million = 1,000,000 or one million	years years	

Copyright © 2018

250,000,000 million years =25 centimeters

10,000,000 million year/cm

species go extinct

## **Geologic Time Scale Chart**

Eon	Era	Period		Epoch	m.y.
				Holocene	
	Quaternary		Pleistocene	<b>-</b> 1.5	
	Cenozoic			Pliocene	_1.5
			leogene	Miocene	<b>-</b> 23
	Cel			Oligocene	_23
	Dic		aleogene	Eocene	
oic				Paleocene	<del>-</del> 65
0Z(	oic	Cr	etaceous		03
Jer	Phanerozoic Mesozoic		Jurassic		
har	ž	Triassic			<b>-</b> 250
Ь		Permian			
		Carboniferous	Pennsylvanian		
	aleozoic	Carbor	Mississippian		
	Palec	Devonian Silurian			
			rdovician		
		Cambrian			<b>-</b> 540
Proterozo Precambrian Archea		Proterozoi	C	<del>-</del> 2500	
		n	-3800		
Hadea		1	4600		

Copyright © 2018

## Personal Time Scale, Part Two

- 1. Look back at the significant life events you identified on page 1 and how they fall along the vertical time line. Can you organize those events similar to how the geologic time scale is organized?
  - Give each "era" a name which characterizes your life events.
  - Divide each era into two or more periods if necessary and provide a description for each.

Note: Choose events you are comfortable sharing with other people.

	Period	Description
		ned the differences between eras and periods in
How does that compare t	o how eras and pe	eriods are differentiated on the geologic time scale?
	your personal time scale	your personal time scale?

Copyright © 2018