Name:	Period: Date:				
	Geologic Timeline Analyziz				
Directions: Begin by filling in the blank boxes on the time scale diagram on the right, using the diagram on p. 354. Then, answer the following questions, referring to your timeline.					
1)	Look at the three major eras shaded on your timeline. What larger time interval do all three of these eras fit into?				
2)	Place the following terms in order from smallest to largest: period; epoch; eon; era				
3)	During what three <u>periods</u> did the dinosaurs exist?				
4)	The first three eons (from the beginning of the earth's formation) are all lumped into one general category called				
5)	How much time has gone by since the extinction of the dinosaurs?				
6)	If the first dinosaurs existed around 230 million years ago, for about how many years in total did dinosaurs rule the earth?				
7)	The dinosaurs were around for times the number of years as hominids have been. (*HINT: Divide the dinosaurs' existence by that of hominids)				
8)	The Earth has been around for times the number of years as modern humans (<i>Homo sapiens</i>).				
9)	How much time passed before the first life appeared on earth?				

10) For what percentage of the earth's existence have hominids existed?

(*HINT: Divide the two numbers and then multiply by 100)

The Geologic Time Scale

Eon	Era	Period	Epoch	Millions of years ago
		Quaternary	Holocene	0.01
		addicitiary	Pleistocene	2.6
		Neogene	Pliocene	5.3
			Miocene	23.0
		Paleogene	Oligocene	33.9
			Eocene	55.8
			Paleocene	65.5
	П			145.5
				199.6
zoic		Triassic		251
Phanerozoic				299
Pha		Carboniferous	Pennsylvanian	
		Carbon	Mississippian	359
		De	vonian	416
		Si	lurian	444
		Ord	lovician	488
				E42
Proterozoio	2500			542
Archean	~4000			~4600

Eras of Geologic Time:

Directions: Use all four sections of chapter 13 (p. 364 – 385) to help you record some of the most important events and evolutionary developments of each era.

Precambrian time: dates →	Paleozoic Era: dates → • Meaning: • Facts:
Mesozoic Era: dates → • Meaning: • Facts:	Cenozoic Era: dates → • Meaning: • Facts: