Master 23

Geologic Time Scale

Reteaching Skills

Use with Chapter 14, Section 14.1

A PERIOD	MILLION YEARS AGO (approximate)	MAJOR EVOLUTIONARY EVENTS	MAJOR LIFE FORMS
Quaternary		Humans evolve	Jana Sp
Tertiary	1.8	Mammals dominant	ball The
Cretaceous		Flowering plants appear	
Jurassic		First birds First flowering plants	
Triassic	206	First mammals First dinosaurs	A STATE OF THE STA
Permian	248	Conifers appear	ולמונים
Carboniferous	323	First reptiles First seed plants	
Devonian	354	First amphibians	E TO AS
Silurian	1 417		
Ordovician	443	First fishes	
Cambrian	491	First vertebrates	ESP
	543		<u> </u>
		Invertebrates	
ecambrian			0.0
	1800	Eukaryotes	ۣ ڮڹٷڹ ٳ
	3500 4000	Prokaryotes Life evolves	S B
	Quaternary Tertiary Cretaceous Jurassic Triassic Permian Carboniferous Devonian Silurian Ordovician Cambrian	Quaternary Tertiary 1.8 Cretaceous 144 Jurassic 206 Triassic Permian 290 Carboniferous 323 354 Devonian 417 Silurian Ordovician 443 Cambrian 543 ecambrian 1800 3500	AGO (approximate) Quaternary 1.8 Tertiary 65 Cretaceous 144 Jurassic 206 Triassic Permian 290 Carboniferous 323 Devonian 417 Sillurian Ordovician 443 Cambrian 1800 1800 Eukaryotes Fust mans evolve Humans evolve Flowering plants appear Conifers appear First dinosaurs First seed plants First amphibians Invertebrates

Worksheet 23

Geologic Time Scale

Reteaching Skills

Use with Chapter 14, Section 14.1

1. What is the basis of the geologic time scale? **2.** Describe the divisions of the geologic time scale. 3. During what era and at approximately what date does fossil evidence suggest life had evolved on Earth? What form of life was this? 4. What forms of living things characterized the Cambrian Period? 5. During what era did the first vertebrates evolve? What were these vertebrates? 6. The dinosaurs and many other species became extinct in a relatively short period of time that marks what is called the K-T boundary, which stands between the Cretaceous and Tertiary Periods. About how long ago did the dinosaurs become extinct? 7. Imagine you found a fossil of a bird that dates to 213 million years. Why would this find be astonishing to scientists? 8. Suppose a geologist finds a layer of rock that can be dated to 320 million years ago. Layers from which periods would be expected to be above and below the newly discovered layer?