

STUDY GUIDE CHAPTER 14

1. GEOLOGICALLY SPEAKING... “*Are you important?*” Fully explain your answer to that question by using concepts or terms from this chapter.
2. What 2 gases were not originally in the atmosphere? Know the function or significance of each.
3. Know reasons why there were so few fossils in the Pre-Cambrian Time. Fully explain your answers.
4. Know which animals evolved first: land animals or aquatic animals. Explain why.
5. What caused the mass extinction at the end of the Mesozoic Era? Fully explain the meteorite hypothesis.
6. What caused the mass extinction at the end of the Paleozoic Era? Fully explain how the water receding to become dry land helped reptiles evolve.
7. Know specific traits of these organisms:
 - dinosaurs
 - reptiles
 - birds
 - amphibians
 - mammals
 - Archaeopteryx
 - gymnosperms
 - angiosperms
8. Draw a geologic time line. Know the 4 main times/eras. Know the beginning and ending dates of each.
9. Know 2 ways that humans cause extinctions. Explain!
Know 2 ways that humans can prevent extinctions. Explain!
10. Identify the era (Pre-Cambrian, Paleozoic, Mesozoic, or Cenozoic) for many different events that we have studied. (If Mesozoic, you need to specify Triassic, Jurassic, or Cretaceous. If Cenozoic, you need to specify Tertiary or Quaternary.)

EX: Himalaya Mountains formed. _____

EX: Angiosperms were dominant. _____

EX: “Era of Ancient Life” _____

STUDY YOUR NOTES ON ALL OF THE ERAS!

KNOW ALL OF THE MAJOR EVENTS FOR ALL FOUR ERAS!

BE FAMILIAR WITH ALL OF THE FACTS FOUND IN THE CHAPTER 14 NOTES!

BE FAMILIAR WITH THE “RATITE BIRDS AND MARSUPIALS” READING!