**Chapter 4 Study Guide**

**Lesson 1**

1. What are fossils?

2. Compare and contrast molds, casts, and trace fossils.

3. What is a petrified fossil?

4. Who studies fossils?

5. How does the fossil record help scientists?

6. What type of rock do fossils form in? Why can’t they form in igneous rock?

**Lesson 2**

7. What is the difference between relative age and absolute age?

8. What is the law of superposition? What age of rocks does it determine? (relative or absolute) Where are the oldest rocks? Where are the youngest rocks?

9. What are extrusions and intrusions? How is their age compared to the rocks around them?

10. What is an unconformity?

**Lesson 4**

11. What is the geologic time scale?

12. Look at page 122 – know how to do the math to fill-in the duration of years.

13. Know that geologic time began with Precambrian time and then it was divided into three \_\_\_\_\_\_\_\_\_\_\_\_,

called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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