

The Fossil Record 7.2

Last Name _____, First _____ per _____

1. What is a **fossil**?

2. Draw a sketch of the **petrified dinosaur** skull3. Name **4 types of fossils**.

- a. _____
 b. _____
 c. _____
 d. _____

4. **Petrified Forest**

- a. What covered the forest many years ago? _____
 b. When water seeped down through the dust, what did it carry with it? _____
 c. Gradually the wood was replaced by what mineral? _____
 d. If you studied thin sections of this petrified wood with a microscope what would you see? _____

5. What are **fossil molds**?

6. What are **casts**?

7. What are **trace fossils**?

8. What is the **fossil record**?

9. How are **sediments** laid down? _____

- a. What clues does the fossil record provide?

10. How are most **fossils formed**?

11. What is **extinction**?

12. Describe **2 models** that explain how fast evolution occurs.

a. **Gradualism**

b. **Punctuated equilibrium**

13. When these animals made prints, was the soil moist or dry? Explain _____

14. How did these prints become trace fossils? _____

15. From which direction did the dinosaur come? _____

16. From which direction did the mammal come? _____

17. Did either animal change speed? How can you tell _____

18. What prints lead away from this encounter? _____

19. What do you think happened? _____