

# MOVIE--Rocks, Fossils, and Earth's History

NAME \_\_\_\_\_ HR /26

1) What do rocks and fossils show us about Earth's History?

1) \_\_\_\_\_

2) \_\_\_\_\_

3) \_\_\_\_\_

2) When it decays it loses a little energy and a very small amount of \_\_\_\_\_.

3) How old are rocks at the top of the Grand Canyon? The Bottom? \_\_\_\_\_

4) What does Uranium decay into? \_\_\_\_\_

5) The time it takes for 1/2 of element A to turn into B is called \_\_\_\_\_

6) What is the half-life of Uranium? \_\_\_\_\_

7) \_\_\_\_\_ dating is just one tool geologists use to date rocks.

8) What is a rock formed from molten material called? \_\_\_\_\_

9) What size crystals form when molten rock cools slowly? \_\_\_\_\_

10) What is the process of breaking down rock into fine sediment called? \_\_\_\_\_

11) Layers of sediment \_\_\_\_\_ into sedimentary rock.

12) What parts of animals get trapped in the layers? \_\_\_\_\_

13) Fossils form when \_\_\_\_\_ gradually replace shells and boney materials.

14) What rock is formed from the skeletons of microscopic animals called? \_\_\_\_\_

15) What has happened to most of Earth's rock history? \_\_\_\_\_

16) Rock altered by heat and pressure is called? \_\_\_\_\_

17) How old is Earth? \_\_\_\_\_

18) What formed Earth's early atmosphere? \_\_\_\_\_

19) When did life evolve? \_\_\_\_\_

20) What kind of animals lived for most of Earth's history? \_\_\_\_\_

21) How long ago did complex animals evolve? \_\_\_\_\_

22) When did dinosaurs start to rule the Earth? \_\_\_\_\_

23) When did mammals start to rule the Earth? \_\_\_\_\_