

NAME _____

GRADE 7 EARTH SCIENCE UNIT TEST

1. Define the term **geologist**.
2. Briefly explain the difference between rocks and minerals.
3. Identify and briefly explain the 6 properties used to identify types of minerals.
4. Although there are many different kinds of rock, all rocks can be classified according to how they were formed. These types are known as.....
5. Describe key features / characteristics of the following classes of rocks:
 - a. **Igneous**
 - b. **Sedimentary**
 - c. **Metamorphic**
6. Label each of the following rocks as igneous (A), sedimentary (S) or metamorphic (M)
 - a. *Limestone*
 - b. *Marble*
 - c. *Anthracite*
 - d. *Obsidian*
 - e. *Shale*
 - f. *Slate*
 - g. *Sandstone*
7. What is a **model**? Why do we refer to Earth's composition as a model?
8. Draw and label a **diagram of the earth and its layers**. Be sure to indicate the depth of the layers and a brief description of each layer.
9. What is Alfred **Wegner** most famous for? Explain his theory.
10. What are some of the points of evidence that Wegner used to support his theory?
11. How is an **ocean trench** different from an **ocean ridge**?
12. Explain the **Theory of Plate Tectonics**.

13. Explain what a **converging**, **diverging** and **transforming** boundary is in your own words.
14. How are mountains formed?
15. Define the following terms:
 - a. **Seismologist**
 - b. **Seismic waves**
 - c. **Focus**
 - d. **Epicentre**
16. What scale is used to measure the magnitude of earthquakes?
17. List some key features of an earthquake-proof building. Explain how these features make or continue to the building being earthquake proof.
18. Describe the difference between **magma** and **lava**.
19. Define the following and give an example for each:
 - a. **Weathering**
 - b. **Erosion**
 - c. **Deposition**
20. Define the following terms:
 - a. **Fossil**
 - b. **Palaeontology**
21. Explain how looking at the layers within rock formations will help you to determine the relative ages of the rocks and the layers.
22. What is the difference between the focus and the epicentre?
23. **What do you think** would be more dangerous: an earthquake or a volcano? Explain your thinking.