

UNIT 2: EARTH STRUCTURE AND SURFACE CHANGES **REVIEW**

Directions: Answer the questions below, and study your notes related to these questions to prepare for your TEST on 12/5 (6C/6A) and 12/6 (6E/6B/6D).

1. List the five main layers of the earth in order (from innermost layer to outer layer)
2. Know that scientists have studied the layers of the earth through rock samples and seismic waves. What are seismic waves?
3. Which layer of the earth is made up of hot, molten ROCK?
4. What is weathering? Erosion? Deposition?
5. How is igneous rock formed?
6. How are igneous rocks classified?
7. How is metamorphic rock formed?
8. Put the following words in order of occurrence: deposition, cementation, compaction, erosion, weathering
9. What are examples of chemical weathering? What are examples of mechanical weathering?
10. Oxidation is the reaction of oxygen with rock to form rust. Would this be chemical or mechanical weathering?
11. In what scenario is deposition most likely to occur in a flowing river system?
12. What are the names of the processes that break apart rock and soil and move them from one place to another?
13. Is the lithosphere considered solid or liquid?
14. Is the asthenosphere solid or liquid?
15. Does the lithosphere sit on top of the asthenosphere, or does the asthenosphere sit on top of the lithosphere?
16. Which layer of the earth has hot, convecting, plastic-like material?
17. Which one has convection currents, the lithosphere or the asthenosphere?
18. For each of the 3 rock types, describe how it is formed.
19. What type of rock is granite?
20. What type of rock is limestone?
21. What type of rock is marble?
22. Which crust is thicker, oceanic or continental crust?
23. What is the difference between mechanical and chemical weathering?
24. Know the balance between deposition and erosion for the following landforms: mountains, plains, plateaus, and hills.