

**Georgia Performance Standards:**

**S6E5. Students will investigate the scientific view of how the earth's surface is formed.**

- a. Compare and contrast the Earth's crust, mantle, and core including temperature, density, and composition.
- b. Investigate the contribution of minerals to rock composition.
- c. Classify rocks by their process of formation.
- d. Describe processes that change rocks and the surface of the earth.

\*Use your notes and answer the following questions to prepare for the test.

1. Define the following terms: (Be prepared to explain the difference between these terms)

Fracture: \_\_\_\_\_

Mineral: \_\_\_\_\_

Cleavage: \_\_\_\_\_

Organic: \_\_\_\_\_

Inorganic: \_\_\_\_\_

Compaction: \_\_\_\_\_

Cementation: \_\_\_\_\_

Erosion: \_\_\_\_\_

Deposition: \_\_\_\_\_

Clastic Rocks: \_\_\_\_\_

Organic Rocks: \_\_\_\_\_

Chemical Rocks: \_\_\_\_\_

2. How do you perform a streak test everyday in class? \_\_\_\_\_

3. What are the 3 MAIN ROCK TYPES? \_\_\_\_\_

4. The material from which igneous rocks form is called \_\_\_\_\_ and \_\_\_\_\_.

5. Name an igneous rock that is black & glass-like and was once used by Native Americans as a cutting/scraping tool. \_\_\_\_\_

6. How does silica content affect the color of igneous rock? High silica = \_\_\_\_\_

Low silica = \_\_\_\_\_

7. Name the igneous rock that is used for many kitchen countertops. \_\_\_\_\_

8. Define sediments: \_\_\_\_\_

\_\_\_\_\_

9. What's the difference between extrusive and intrusive? \_\_\_\_\_

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10. What are fossils, and why are they found mostly in sedimentary rock?

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11. How is a metamorphic rock formed? \_\_\_\_\_

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12. What are the 2 types of metamorphic rock? \_\_\_\_\_

What makes them different? \_\_\_\_\_

13. What describes the way a mineral reflects light? \_\_\_\_\_

14. How are rocks classified? \_\_\_\_\_

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