

Exploring Earth's Spheres

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Understanding Interconnected Systems

Name: _____

Date: _____

Answer the following questions based on what you learned about Earth's spheres and their interactions.

1. What are the four spheres of Earth?

- A. Atmosphere, Hydrosphere, Geosphere, Biosphere
- B. Sky, Water, Land, Life
- C. Air, Ocean, Soil, Plants

2. What new thing did you learn about Earth's spheres today?

3. Plants absorb water from the ____, which connects the biosphere to the hydrosphere and geosphere.

4. Clouds form from water evaporation, showing interaction between the hydrosphere and atmosphere.

- True False

5. How do different spheres work together? Provide an example.

6. According to Colossians 1:17, who holds all things together?

- A. Humans
- B. Nature
- C. God

7. The interaction between the hydrosphere and geosphere can be seen when ____ weathers rocks.

8. The spheres of Earth do not impact each other.

- True False

9. Explain how changes in the hydrosphere can impact other spheres.

10. What happens to clouds when water vapor cools?

- A. They disappear
- B. They form precipitation
- C. They float away

Answer Key

1. Atmosphere, Hydrosphere, Geosphere, Biosphere 2. I learned how rain can weather rocks and change the geosphere. 3. soil 4. True 5. Different spheres work together like when rain falls. It affects the geosphere by weathering rocks and the biosphere by providing water to plants. 6. God 7. rain 8. False 9. If there is too much rain, it can lead to flooding, which affects the geosphere by eroding soil and can harm plants in the biosphere. 10. They form precipitation