

Earth Systems Challenge Review

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Understanding Earth's Interconnected Systems

Name: _____

Date: _____

Answer the following questions based on what you learned about Earth's systems.

1. Which of the following is NOT one of Earth's major spheres?

- A. Geosphere
- B. Atmosphere
- C. Biosphere
- D. Astrosphere

2. What are the four major spheres of Earth, and how do they interact with each other?

3. The atmosphere is responsible for the solid part of the Earth.

- True False

4. The flow of energy and matter between Earth's systems is important for understanding the planet's ____.

5. What might happen if one Earth system changes significantly?

- A. It will only affect that system.
- B. It could impact other systems too.
- C. Nothing will happen at all.
- D. It will make the Earth unstable.

6. Can you give an example of how water moves between different Earth systems?

7. God created the foundations of the Earth, and they should not be moved forever according to Psalm 104:5.

- True False

8. The geosphere includes the ____ of the Earth, such as rocks and landforms.

9. Which Earth system includes all living things?

- A. Geosphere
- B. Hydrosphere
- C. Atmosphere
- D. Biosphere

10. Why is it important to understand the interactions between Earth's systems?

Answer Key

1. Astrosphere 2. geosphere, atmosphere, hydrosphere, biosphere 3. False 4. complexity 5. It could impact other systems too. 6. Water can evaporate from oceans (hydrosphere) into the atmosphere. 7. True 8. solid part 9. Biosphere 10. Understanding these interactions helps us appreciate how everything is connected and how changes in one system can affect others, which is part of God's intricate design.