

Name _____

Unveiling the Earth's Hidden Layer: Exploring the Marvelous Mantle

Multiple Choice Questions

1. Where is the Earth's mantle located in relation to the Earth's crust and outer core?

- a. Above the crust
- b. Between the crust and outer core
- c. Below the outer core
- d. None of the above

2. What is the primary composition of the Earth's mantle?

- a. Solid gold
- b. Silicate minerals rich in iron and magnesium
- c. Liquid lava
- d. Diamond crystals

3. What is the approximate temperature of the mantle's deepest parts?

- a. 32 degrees Fahrenheit (0 degrees Celsius)
- b. 212 degrees Fahrenheit (100 degrees Celsius)
- c. 1,200 degrees Celsius (2,200 degrees Fahrenheit)
- d. 5,000 degrees Fahrenheit (2,760 degrees Celsius)

4. What is responsible for the movement of tectonic plates on the Earth's surface?

- a. The mantle's ability to flow like a river
- b. Convection currents in the mantle
- c. Magnetic fields from the inner core
- d. Wind and air pressure

5. What geological features are created by the mantle's molten rock rising to the surface?

- a. Deep ocean trenches
- b. Mountain ranges
- c. Volcanic islands
- d. All of the above

