

Name _____

How Does Carbon Get into the Ground and Become Fossil Fuels

Multiple Choice Questions

1. What is the carbon cycle?
 - a. A process by which carbon moves between the Earth's atmosphere and outer space.
 - b. A natural process by which carbon moves between the Earth's atmosphere, oceans, soil, and living organisms.
 - c. A man-made process to capture carbon for industrial use.
 - d. A process that involves turning carbon into diamonds.

2. What role do plants and animals play in the carbon cycle?
 - a. They don't have any role in the carbon cycle.
 - b. They absorb carbon dioxide from the air and convert it into organic matter.
 - c. They release carbon dioxide into the atmosphere.
 - d. They control the Earth's temperature.

3. During which step of the process does peat form?
 - a. Step 1: Organic Matter Accumulation
 - b. Step 2: Burial and Pressure
 - c. Step 3: Heat and Time
 - d. Step 4: Extraction

4. What is the primary reason for the transformation of peat into fossil fuels?
 - a. Intense pressure from sediment layers
 - b. Low temperatures in underground reservoirs
 - c. The action of bacteria and fungi
 - d. The absence of heat and time

5. Why are fossil fuels important in modern society?
 - a. They have no significant importance in modern society.
 - b. They provide a source of drinking water.
 - c. They have powered industrial development and continue to fuel transportation and energy production.
 - d. They help maintain biodiversity in ecosystems.

