

Name _____

Why Earth: Exploring the Mystery of Life's Existence

Multiple Choice Questions

1. What is the "Goldilocks zone" or habitable zone?
 - a) A zone where Earth's temperature is always just right.
 - b) A region around a star where conditions are suitable for liquid water to exist.
 - c) A zone where life is most active on Earth.
 - d) A region on Earth where the climate is unpredictable.

2. How does Earth's atmosphere contribute to its suitability for life?
 - a) It absorbs harmful solar radiation.
 - b) It contains only nitrogen.
 - c) It creates extreme temperatures.
 - d) It is thin and non-existent.

3. What percentage of Earth's surface is covered by oceans, and why are they important for life?
 - a) 50%; Oceans provide a habitat for aliens.
 - b) 71%; Oceans regulate climate and support diverse ecosystems.
 - c) 10%; Oceans help cool the planet.
 - d) 95%; Oceans are a source of fresh water.

4. Why are organic molecules important in the search for life beyond Earth?
 - a) They are toxic to living organisms.
 - b) They are the building blocks of life.
 - c) They are not found on Earth.
 - d) They are responsible for earthquakes.

5. What role does plate tectonics play in Earth's suitability for life?
 - a) Plate tectonics create extreme weather.
 - b) Plate tectonics contribute to the formation of deserts.
 - c) Plate tectonics shape landscapes and recycle essential nutrients.
 - d) Plate tectonics have no impact on life.

