

8th Grade Science – Week 19

1. What is the outermost layer of the Earth's surface called?
 - (A) The Mantle
 - (B) The Crust
 - (C) The Core
 - (D) The Upper Layer

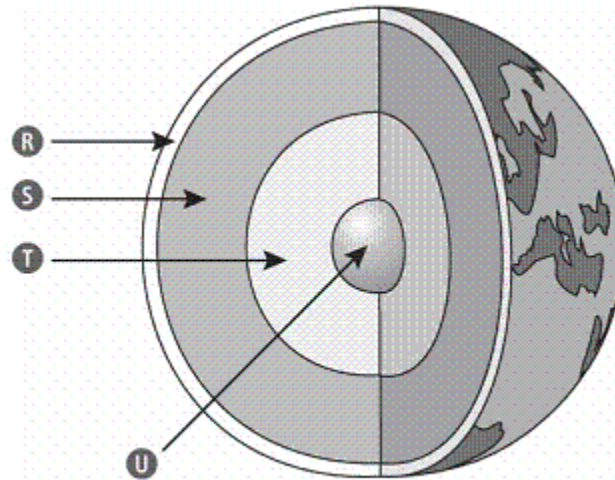
2. What is the main difference between the continental crust and the oceanic crust?
 - (A) The continental crust is denser since it is not saturated by the ocean as in the oceanic crust.
 - (B) The continental crust is denser since it is made up of many metals.
 - (C) The oceanic crust is denser since it is made up of basalt which has a greater amount of iron, magnesium, and calcium.
 - (D) The oceanic crust is denser since it is packed down due to the weight of the water.

3. Arrange the mantle's three layers from the top layer to the bottom layer.
 - (A) Lithosphere, Asthenosphere, and Mesosphere
 - (B) Asthenosphere, Mesosphere, and Lithosphere
 - (C) Asthenosphere, Lithosphere, and Mesosphere
 - (D) Mesosphere, Asthenosphere, and Lithosphere

4. What is the primary difference between the outer core and the inner core?
 - (A) The outer core is a solid, dense metal whereas the inner core is a liquid layer of molten metal.
 - (B) The inner core is a solid, dense metal whereas the outer core is a liquid layer of molten metal.
 - (C) The outer core acts as the source of the Earth's magnetism whereas the inner core is not magnetic.
 - (D) The inner core acts as the source of the Earth's magnetism whereas the outer core is not magnetic.

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Questions 5-6 refer to the diagram below.



5. What is the layer of the Earth labeled R?
 - (A) Inner Core
 - (B) Outer Core
 - (C) Mantle
 - (D) Crust

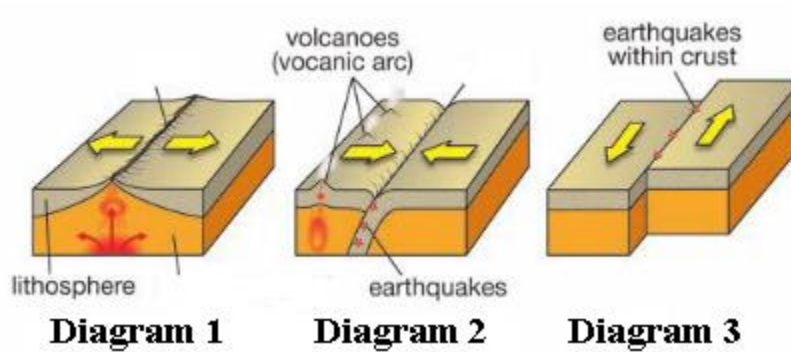
6. Which layer on the Earth makes up approximately 67% of the Earth's mass?
 - (A) Layer R
 - (B) Layer S
 - (C) Layer T
 - (D) Layer U

7. In the early 1900s Alfred Wegner developed a hypothesis that explained how the continents may have been a single landmass that broke up and is now separated. What was that hypothesis called?
 - (A) Sea-floor spreading
 - (B) Pangaea
 - (C) Continental Drift
 - (D) The Great Split

8. What are possible pieces of evidence that support that the sea-floor spreads to move the ocean floor?
 - I. Molten Material
 - II. Magnetic Stripes
 - III. Earthquakes
 - (A) I only
 - (B) I and II only
 - (C) I and III only
 - (D) I, II, and III

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Questions 9-10 refer to the diagrams below.



- Diagram 1** **Diagram 2** **Diagram 3**
9. Which plate tectonic boundary is shown in Diagram 1?
(A) Convergent Boundaries
(B) Divergent Boundaries
(C) Insurgent Boundaries
(D) Transform Boundaries
10. Which diagram demonstrates shearing stress that occurs in the Earth's crust?
(A) Diagram 1
(B) Diagram 2
(C) Diagram 3
(D) None of these diagrams demonstrate that type of stress.