



The Layers of the Earth and its Composition

Answer Key

1) Answer: B

Explanation: The Repetti discontinuity separates the upper mantle from the lower mantle.

2) Answer: D

Explanation: High temperature and pressure make the rocks ductile and deform them easily. For this reason, the asthenosphere flows like a very viscous fluid (but not liquid) and moves independently from the overlying lithosphere.

3) Answer: A

Explanation: Perovskite is the dominant rock type in the Mesosphere.

4) Answer: D

Explanation: The oceanic crust has an average thickness of about 7 km which is thinner than the continental crust.

5) Answer: A

Explanation: The outer core is the only layer of the Earth that is made out of liquid. This is due to the extremely high temperature in this layer of about 3000°C.



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