



## The Layers of the Earth and its Composition

### Practice Questions

**Instructions:** Select the letter of the correct answer for each question below.

1) Which of the following separates the upper mantle from the lower mantle?

- a) Mohorovičić discontinuity
- b) Repetti discontinuity
- c) Gutenberg discontinuity
- d) Lehmann discontinuity

2) Which of the following explains why the asthenosphere flows like a very viscous fluid?

- a) There is low pressure and extremely high temperature in the asthenosphere which melts the rocks and deforms them easily.
- b) There is high pressure and extremely low temperature in the asthenosphere that deforms the rocks.
- c) The asthenosphere has strong magnetic and gravitational pull that weather the rocks and allow them to deform
- d) Temperature and pressure in the asthenosphere are high enough that rocks become ductile and deform easily.

3) What do you call the dominant rock type located in the mesosphere?

- a) perovskite
- b) gneiss
- c) lherzolite
- d) eclogite



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- 4) Which of the following is TRUE about the Earth's Crust?
- a) The oceanic crust is the least dense type of crust
  - b) The continental crust is the younger type of crust
  - c) Crust is the thickest layer of the Earth.
  - d) The oceanic crust is thinner than the continental crust
- 5) Which of the following layers of the Earth is made out of liquid?
- a) outer core
  - b) inner core
  - c) asthenosphere
  - d) lithosphere



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