

Name: _____

Date: _____ Period: _____

Plate Tectonics

The Physical Setting: Earth Science

Worksheet: Earth's Interior

1. According to the Earth Science Reference Tables, at 4,500 kilometers below the surface of the Earth, the pressure is estimated to be
 - a. 4 million atmospheres
 - b. 2.0 million atmospheres
 - c. 2.8 million atmospheres
 - d. 3.1 million atmospheres
2. According to the Earth Science Reference Tables, the rate of temperature increase below the Earth's surface is greatest between depths of
 - a. 3500 and 4000 km
 - b. 250 and 500 km
 - c. 1500 and 2500 km
 - d. 2500 and 3500 km
3. According to the Earth Science Reference Tables, in which group are the zones of the Earth's interior correctly arranged in order of increasing average density?
 - a. crust, mantle, inner core, outer core
 - b. crust, mantle, outer core, inner core
 - c. inner core, outer core, mantle, crust
 - d. outer core, inner core, mantle, crust
4. According to the Earth Science Reference Tables, the temperature of rock located 1,000 kilometers below the Earth's surface is about
 - a. 200 °C
 - b. 2,100 °C
 - c. 2,800 °C
 - d. 3,200 °C
5. According to the Earth Science Reference Tables, as the depth within the Earth's interior increases, the
 - a. density, temperature, and pressure decrease
 - b. density increases, but temperature and pressure decrease
 - c. density and temperature increase, but pressure decreases
 - d. density, temperature, and pressure increase
6. A part of which zone of the Earth's interior is inferred to have a density of 10.0 grams per cubic centimeter? [Refer to the Earth Science Reference Tables.]
 - a. outer core
 - b. inner core
 - c. crust
 - d. mantle