

Name: _____

Tuesday, November 07, 2006

1.

The solid rock material that directly underlies the sediments on the ocean floor is part of the Earth's

1. lithosphere 3. troposphere
2. hydrosphere 4. outer core

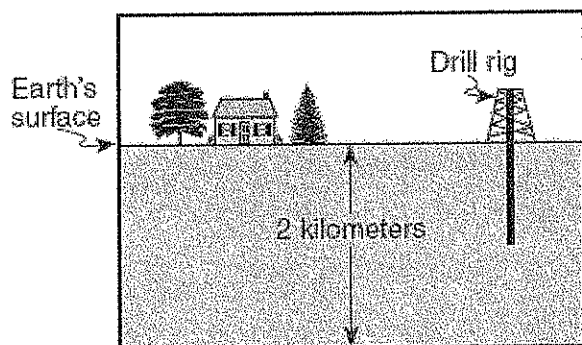
2.

Oxygen is the most abundant element by volume in the Earth's

1. inner core 3. hydrosphere
2. troposphere 4. crust

3.

The cross section below shows a drill rig used to collect rock samples from below Earth's surface.



(Not drawn to scale)

The rock samples collected from the bottom of the drill hole came from which Earth layer?

1. lithosphere 3. asthenosphere
2. hydrosphere 4. stiffer mantle

4.

Earth's troposphere, hydrosphere, and lithosphere contain relatively large amounts of which element?

1. iron 3. hydrogen
2. oxygen 4. potassium

5.

What is the depth of the oceanic crust?

1. 100 km
2. 30 km
3. 65 km
4. 10 km

6.

What is the temperature in the outer core?

1. 4000 degrees Celsius
2. 1000 degrees Celsius
3. 6000 degrees Celsius
4. 2000 degrees Celsius

7.

What is the density of the outer core?

1. 9.9g/cm³
2. 3.3 g/cm³
3. 12.7 g/cm³
4. 2.7 g/cm³

8.

What is the pressure in the asthenosphere?

1. 3.4 millions of atmospheres
2. 1.0 millions of atmospheres
3. .3 millions of atmospheres
4. 2.0 millions of atmospheres

9.

What is the thickness of the asthenosphere?

1. 1000 km
2. 500 km
3. 100 km
4. 700 km

10.

What kind of rock in the oceanic crust made of?

1. Granite
2. Basalt
3. Obsidian
4. Pumice

11.

Which 2 parts of Earth's interior does the Lithosphere include?

1. Outer core and Inner core
2. Asthensonphere and stiffer mantle
3. Crust and MOHO
4. Stiffer mantle and outer core

12.

What is the most abundant element in the troposphere?

1. Nitrogen
2. Oxygen
3. Hydrogen
4. Argon