

Holiday homework

Earth's Interior



1. What happens to the temperature as you travel closer towards the center of the earth?

Ans → The temperature increases as you travel closer towards the surface of the earth.

2. What happens to the pressure as you travel down?

Ans → The pressure increases as you travel down.

3. Name the three main layers that make up the earth's interior.

Ans → The earth's interior is made up of the crust, the mantle and the core.

4. What is the earth's crust made of?

Ans → The crust is made up of two layers i.e. upper crust or continental crust. It mainly consists of the minerals silica and aluminium hence, the upper crust is also known as SIAL. The lower crust or the oceanic crust is made

up of minerals like silica, iron and magnesium, hence it is called SIMA.

T or F

51. The Earth's crust include both the ocean floor and dry crust. T

62. Name the two types of Earth's crust.
two types of

Ans → The Earth's crust is made up of are the upper or crust or the continental crust. It is also called SIAL. And the inner crust or the oceanic crust. It is also called SIMA.

72. Why do you think the ocean crust contains rocks that are more dense than the rocks found on land?

Ans → Oceanic crust is denser than continental crust because the oceanic crust is made with volcanic rocks intrusions from the mantle which is more dense than the crust. The continental crust is made from less dense rocks as granites and limestone.

8. What does the layer of mantle consists of?

Ans → Depending upon the chemical position the mantle is divided into upper mantle and lower mantle. The upper mantle is a thin stiff layer consisting of the minerals silica, ~~calcium~~ iron and magnesium. The lower mantle consists of mixed minerals iron, magnesium, aluminium and silicon.

9. What makes up the lithosphere?

Ans → The topmost layer of the Earth is called Lithosphere. The lithosphere consists of the crust and the outer part of the upper mantle.

10. Right below the lithosphere is a layer of mantle that is made of softer rock called the asthenosphere.

11. How deep is the mantle?

Ans → The mantle is 2900 km thick.

12. The earth's core is made up of two parts. What are they?

Ans → The Earth's core is made up of two parts, i.e. upper core (20300 km thick, ~~solid~~ liquid) and the inner core (1200 km thick, liquid).

13. Which two metals make up both parts of the core (the reason why the core is considered one layer)?

Ans → Nickel and iron make up both the parts of the core.

Level the layers of the Earth on the drawing below with the words given. Colour each layer

with different

colours.

Continental

Crust


Oceanic Crust


Mantle


Core



Key for layers

Lithosphere = 

Asthenosphere = 

Mantle = 

Core = 