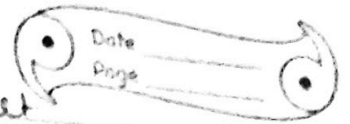


# Earth's Interior Worksheet



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

Ans) Temperature, pressure and density increase as we move from the surface to the interior of the Earth.

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

Ans) Pressure increases as we travel down.

3. Name the ~~two~~ three main layers that make up the Earth's interior.

Ans) Earth is made up of three main layers - the crust, the core, the mantle.

4. What is the Earth's crust made up of?

Ans) The crust is made up of two layers. The upper crust makes up the continents mainly consist of minerals like silica and aluminium and is therefore called Sial. The lower crust is a continuous layer of denser rock that makes the ocean floor.

5. The Earth's crust include both the ocean floor and dry land [F]

6. Name the two layers of the Earth's crust.

Ans) The two layers of the Earth's crust are - upper crust and lower crust.

7. what does the layers of mantle consist of?

Ans) The upper mantle is a thin, stiff layer consisting mainly of the minerals silica, iron and magnesium.

The lower mantle consists of mixed minerals such as iron, magnesium, aluminium and silicon.

8. What makes up the lithosphere?

Ans) The lithosphere consists of the crust and the upper part of the mantle. It is rigid and brittle.

9. Write below the the lithosphere is a layer of mantle ~~the~~ that is made of the softer rock called the asthenosphere.

10. What do you think the ocean crust contains rocks that are more dense than the rocks found on land.

Q11) The oceanic crust consists of a volcanic lava rock called basalt. Basaltic rocks of the ocean plate are much denser and heavier than the igneous rock of the continental plates. Because of this the continents ride on the denser oceanic plates.

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 they are

- i) The ~~outer~~ upper core (liquid)
- ii) Inner core (solid)

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

Asst Nickel and Iron make the two parts of the core. This layer is also known as  $nif$ . FE comes from the scientific name of Iron Ferrum.



Q) Label the layers of the Earth on the drawing below with the words given. Colour each layer a different colour.

Words

core

asthenosphere

mantle

continental crust

lithosphere

oceanic crust

Key for layers

Lithosphere =

Asthenosphere =

Mantle = Red

core = Orange and yellow



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