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H/W
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Ch-2

Date

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Worksheet

Interior of the Earth

A Journey to the Center of the Earth.

Q-1) What happens to the temperature as you travel closer towards the centre of the Earth?

ans As we go towards the centre of the Earth the temperature of the earth rises.

Q-2) What happens to the pressure as you travel down

ans As we travel down the pressure increases.

Q-3) Name the three main layers that makes up the Earth's interior.

ans The three main layers that makes up the Earth's interior are :-

* Crust

* Mantle

* Core

Crust

Q-4) What is the earth's crust made of?

ans The crust is made up of two layers. The upper crust makes up the continents. It mainly consists of the minerals silica and aluminium and is therefore also called SIAL. The lower crust is a continuous layer of denser rock that makes up the ocean floor. It is made of the minerals silica, iron and magnesium and is therefore called SIMA.

Q-5) True or false

The Earth's crust includes both the ocean floor and dry land. True

Q-6) Name the two types of Earth's crust

ans The two types of crust are :-

* Continental crust

* Oceanic crust

Q-7) Why do you think the ocean crust contains rocks that are more dense than the rocks found on land?

ans The ocean crust contains more denser rocks as the rocks have the ~~has~~ heavy heavy minerals that are silica, iron, magnesium which makes the rocks heavier and denser.

~~Q-8)~~ Mantle

Q-8) What does the layer of mantle consists of?

ans The layer of ^{mantle} consists of minerals silica, iron and magnesium and called SIMA Layer.

Q-9) What makes up the lithosphere?

ans The outer part of mantle and the crust makes up the lithosphere.

Q-10) Right below the lithosphere is a layer of mantle that is made of softer rocks called the asthenosphere.

Q-11) How deep is the mantle?

ans The mantle depth is around 300 km.

Core

Q-12) The earth's core is made of two parts what are they?

ans The two parts of the core are :-

* Inner core

* Outer core

Q-13) Which two metals make up both parts

of the core (the reason why the core is considered as one layer)?

ans The two metals make up both parts of the core are :-

* Nickel

* Iron

Exploring Earth's Interior

Q Label the layers of the Earth on the drawing below with the words given. Color each layer a different color

Words :- core, asthenosphere, mantle, continental crust, lithosphere, oceanic crust.

Key for layers

Lithosphere = Brown

Asthenosphere = **Yellow** (Yellow)

Mantle = **Red**

Core = **Orange**



continental crust

Lithosphere

Mantle

Asthenosphere

core

Oceanic crust