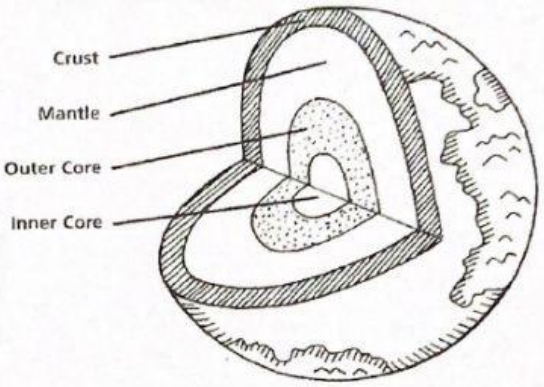
Lesson 12

Layers of the Earth and Types of Rocks

Earth is made up of **three** layers. These layers are the crust, mantle, and the core. The **crust** is the outer layer and includes the surface of the Earth. The crust is the layer we live on. It is rough and uneven with hills and valleys and has a layer of bedrock at its base.



Below the crust is the **mantle**. This layer is thicker than the crust and is made up of lighter rock material.

The thickest layer is the **core** that consists of two parts: the outer and the inner core. The core is made of very hot iron. Part of it is liquid, and part is solid.

In the earth, there are several types of rocks. Three of these rocks are sedimentary rocks, metamorphic rocks, and igneous rocks.

Sedimentary rock is made out of particles of sand, shells, pebbles, and other material. When you combine these particles, they are called sediment. Gradually, the sediment accumulates in layers and over a long period hardens into rock.



Metamorphic rock is made beneath the surface of the earth. It has ribbon-like layers, caused by the heat. Some of these rocks have shiny crystals on them.



Igneous rock is made from the lava of a volcano. Deep inside the earth, rocks are melted and become magma.

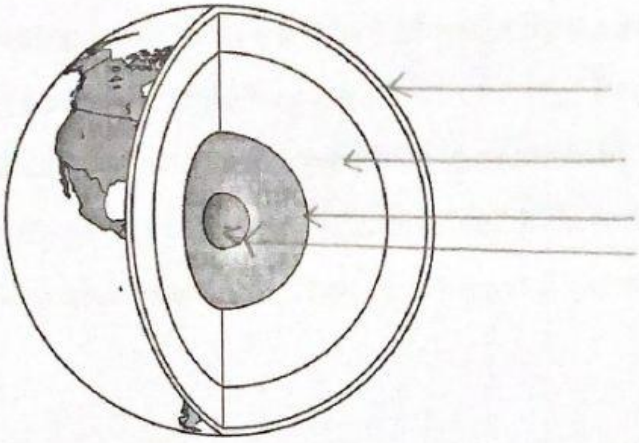
When magma comes out of the volcano, it is called lava. If the lava cools quickly, it will make a smooth and shiny rock. If the lava cools slowly, it will form a rock with tiny holes and gas bubbles in it.



LIVEWORKSHEETS

Label the different layers of the Earth. [4]

inner core	outer core	mantle	crust



Fill in the blanks with words from the passage. [8]

1. The _____ has three main layers.
2. The crust, mantle, and core are the three main _____.
3. The _____ is the outermost layer of the Earth.
4. The _____ is between the crust and the core.
5. The _____ is located in the center of the Earth.
6. The Earth's _____ is also called the crust.
7. The core of the Earth is under pressure and is _____.
8. Earth's crust is _____ and brittle and can break during earthquakes.
9. This type of rock is made beneath the surface of the earth. This is a _____ rock. [1]
10. This rock is made out of sand, pebbles, shells, and other materials. This is a _____ rock. [1]
11. This rock is made from lava of a volcano. This is a _____ rock. [1]

LIVEWORKSHEETS