

EARTH STUDY GUIDE

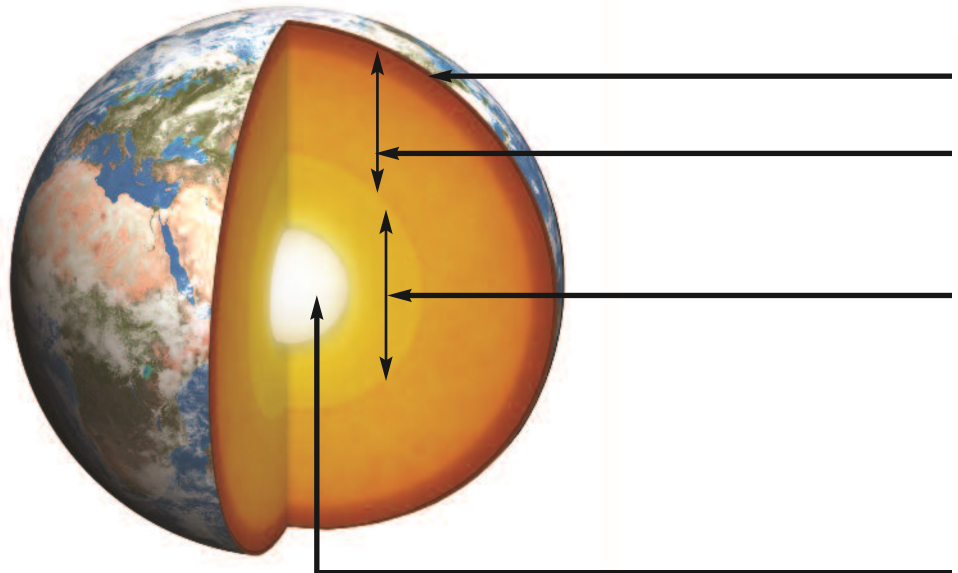
Scientists use **classification keys** to identify rock types based upon properties that can be observed, tested, and described. Rocks can be classified depending upon how they were formed.

In the **rock cycle**, rock is always changing from one type to another. Complete this chart.

ROCK TYPE	HOW IT FORMS	EXAMPLES
Sedimentary		
		<i>Granite</i>
	<i>Changed by heat and pressure</i>	

Fossils provide information about life and conditions of the past.

Scientists have inferred that Earth is composed of **four layers** each with defining characteristics. Label each layer of Earth on the diagram and include a fact about each layer.



Tectonic plates move slowly along Earth's surface due to thermal heat produced from Earth's interior. There are **three types of plate boundaries**. Most earthquakes and volcanoes found on Earth and on the ocean floor are located on plate boundaries. Complete the chart below using arrows to show plate movements.

PLATE TYPE	DESCRIPTION	MOVEMENT
Transform Boundary		
	<i>Plates move apart</i>	

Define the following words in your own terms:

- **Weathering:** _____
- **Erosion:** _____
- **Deposition:** _____