# 7th Grade Review- Earth Stuff (SC.7.E.6.1-7)



1.) Using the template to the left as your guide, recreate the diagram of the **rock cycle** on a separate sheet of paper. Be sure to label the arrows and demonstrate how all 3 rock types are formed. *(Also show magma and sediments)*

2.) How might **weathering and erosion** cause changes to Earth?

3.) How are **erosion** and **deforestation** related?

4.) Which type of rock would **fossils** most likely be located within?

5.) The 3 chemical layers of the Earth are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(inner and outer).

6.) What is the **Theory of Plate Tectonics**?

7.) What is a tectonic plate?

8.) Using the image below for guidance, describe **heat transfer** within Earth’s mantle.

9.) Describe the process of an **earthquake**.

10.) What is the difference between **weathering, erosion, and deposition** of sediment?

11.) What is the **Law of Superposition**?

12.) Examine the rock layer below. Which layer is oldest? Youngest?

13.) Examine the picture above of the hot convecting mantle and lithosphere resting on top. What is an example of a **SLOW** **CHANGE** and a **RAPID (FAST) CHANGE** that could result from the movement of Earth’s lithosphere and mantle.

14.) Which layer of Earth would contain the densest materials? **Why**?

15.) What is **radioactive dating** and what is it used for?

16.) Examine the halved view of Earth to the right. In

which layer of Earth are the **convection currents** that

directly result in tectonic plate motion found?