***UNIT 1 REVIEW QUESTIONS:
EARTH’S CHANGING SURFACE***

Write down the hint to remember the 5 PHSICAL layers of the Earth.

Name the physical or compositional layers of the Earth.

Name the CHEMICAL layers of the Earth.

Name the layer that is found at the center of the Earth.

Which layer is the region of hot slow flowing liquid rock where convection takes place?

What does the world subduction mean?

Which layer is responsible for moving tectonic plates around? Lithosphere or Asthenosphere?

Convection is the movement of \_\_\_\_\_.

In the Theory of Continental Drift, Alfred Wegner believed that all the continents used to be one giant landmass before they got pulled apart by some crazy unknown phenomenon. What was the name of this giant landmass?

What crazy unknown phenomenon actually did pull the tectonic plates apart?

The Theory of \_\_\_\_ - \_\_\_\_ describes the movements of Earth’s lithosphere.

The lithosphere is divided into pieces called \_\_\_\_\_ \_\_\_\_\_\_\_\_

There are three types of Plate Boundaries,
Name all three.

Convergent s \_\_\_\_ Divergent \_\_\_\_\_ transform tectonic plates \_\_\_\_\_\_
(think of the rap song)

Which plate boundary creates the Mid-Ocean Ridges and Great Valley?

Sometimes when two plates collide in convergent boundaires, one is heavier or more dense than the other. What happens to the plate that is MORE DENSE?

Name the steps in CONVECTION

This type of mountain is formed when tension makes the rock break into pieces. The pieces left standing is called a \_\_\_ mountain. (Folded or Fault-Block)

The \_\_\_\_\_\_ is the place within the Earth along the fault where the first motion of an earthquake occurs.

The spot directly above the FOCUS of an earthquake is called the \_\_\_\_\_\_. This is the spot on Earth that usually feels the earthquake the strongest.

A \_\_\_\_\_ is a crack in the Earth’s crust.

Looking at the RING OF FIRE on a map, you can see that the most Earthquakes occur where?

A tsunami is an underwater \_\_\_\_\_\_\_\_\_

Divergent Plates separate and cause very violent volcanoes. True or False

Convergent Boundaries produce the most violent volcanoes because they volcanoes are built up by colliding tectonic plates. True or False.

Volcanoes can form in the middle of a tectonic plate, away from the plate boundaries at a \_\_\_\_\_\_ spot!

With your hands, show which way convection moves the mantle under our Earth’s crust.