<http://www.learner.org/interactives/dynamicearth/index.html>

*Directions: Go to the link provided and follow through the webquest answering questions as you go. The questions go right in order as you read. Have fun* ☺

**Earth’s Structure**

1. What is the mantle?
2. What is the lithosphere?
3. What is the asthenosphere?

**Plate Tectonics**

1. What is the theory of plate tectonics?
2. What is the name of the supercontinent that existed roughly 250 million years ago?

**Plates and Boundaries**

1. How many major tectonic plates is the earth made of?
2. What is a boundary?
3. What is happening at a convergent boundary? Give an example.
4. What is happening at a divergent boundary? Give an example.
5. What is happening at a transform boundary? Give an example.

**Slip, Slide, & Collide**

**Convergent Boundaries - Colliding Plates**

1. What is a subduction zone?
2. What is a trench?
3. What is a volcanic arc?
4. Where do volcanoes form?
5. What is the Ring of Fire?
6. What are the two types of subduction zones that can occur? Hint: between what two types of crust can collide and subduct?
7. What is a tsunami? How are they formed?
8. What happens when two continental plates collide?
9. What are the Himalayas? EXPLAIN how they were formed, and how long ago they formed.
10. Are the Himalayas still growing or eroding?

**Divergent Boundaries – Spreading Plates**

1. Explain how a mid-ocean ridge is formed.
2. What is a rift? How is it formed?

**Transform Boundaries – Grinding Plates**

1. What is a fault?
2. What causes earthquakes at transform boundaries?
3. What is another name for the transform boundary?
4. What is the best studied strike-slip fault?

Now finish the section called TEST SKILLS. This will be a 30 question quiz. You **MUST** show me your score !