**Seafloor Spreading and Plate Tectonics Webquest**

Go to <http://www.absorblearning.com/media/attachment.action?quick=12n&att=2771> and click on the links to answer the questions below.

1. What is the lithosphere composed of?
2. What is the mantle composed of?
3. What direction do the convection currents cause the tectonic plates to move?
4. As magma rises to the surface and cools, what feature is created?
5. What rate of movement are tectonic plates pushed apart?
6. Using the animation, explain how new seafloor is created?

Go to <https://www.youtube.com/watch?v=WhiF6IqGACo> and <https://www.youtube.com/watch?v=BCzCmldiaWQ> and answer the following questions.

1. How often does the magnetic field of the Earth reverse?
2. Explain how the magnetic field is recorded in the magma below the lithosphere.
3. Where can you find the newest seafloor? The oldest?

Go to <https://www.youtube.com/watch?v=ryrXAGY1dmE> and answer the questions below.

1. How is seafloor recycled or destroyed?
2. What happens during subduction?
3. Which plate will subduct under the other?

Go to <https://en.wikipedia.org/wiki/Plate_tectonics#/media/File:Plates_tect2_en.svg> and using the map as a guide, color in your plates on your map. Pick different colors for plates touching side by side on your map.

Go to <http://www.classzone.com/books/earth_science/terc/content/visualizations/es0804/es0804page01.cfm?chapter_no=visualization> and answer the questions.

1. What are the three main types of plate boundaries?
2. Describe the motion and draw pictures to explain what happens at each plate boundary.

Go to <http://www.learner.org/interactives/dynamicearth/slip3.html>.

1. What two features are formed from a divergent boundary?
2. What feature is formed from a transform boundary?
3. Explain how earthquakes commonly occur as a result of transform boundaries.
4. What is another name for a transform boundary?

Go to <http://www.learner.org/interactives/dynamicearth/slip2.html> and answer the questions.

1. What feature is formed when oceanic collides with continental crust?
2. What feature is formed when two oceanic plates collide?
3. Which oceanic crust subducts?
4. Give one real life example of a feature formed when two oceanic plates collide.
5. What feature is formed when two continental crusts collide?
6. Give one real life example of a feature formed when two continental crusts collide.

Go to <http://www.learner.org/interactives/dynamicearth/slip2.html> and take the challenge.

Record your score (points): \_\_\_\_\_\_\_\_