

PLATE TECTONICS

Oceanography

Resources: Geoblox Plate Tectonics Block Models by Koonz and Invitation of Oceanography by Pinet

Name _____

PURPOSE

Understand the relationship between the various sections of the Earth's crust.

PROCEDURE

1. Create your Geoblox Model.
 - a. For best results, color each model before cutting it out. Use the color key provided.
 - b. Use either scissors, or an X-acto® knife, to cut along the solid lines.
 - c. Crease the dashed lines with the tip of a pair of scissors.
 - d. Fold the tabs along the dashed lines.
 - e. Glue one tab at a time. Do not use too much glue. The tabs need to go on the inside of the models.
 - f. Hold the tabs in place until they are dry.
 - g. Insert the mountains through the lower side of the model surface. Be sure to do this before gluing the surface to the rest of the model.
2. Please learn more about your boundary type. Start by evaluating your completed model and reading the description on your model. On the backside of this page are five questions. Please conduct additional research and record your answers to these questions.

1. Boundary Name _____

2. Refer to the three fundamental plate boundaries discussed in your textbook on pages 74. If applicable, assign the appropriate plate boundary type to your assigned plate motion.

Boundary Type _____

3. Provide a detailed description of the activity at your assigned site.

4. Provide details regarding the likelihood of earthquakes and volcanism.

5. Where on this Earth will you find this boundary? To answer this question, list the location example provided on your model. For additional credit, provide an additional location, other than the one featured on your model, as well as provide a map or picture(s) of the location. Please attach the map or picture(s) to this handout before you hand it in.

Location on Model: _____

Additional Location (optional): _____