

Modeling Plate Movement & Landforms Created

Name: _____

Objective: To model different types of plate movements and to observe the resulting feature.

Problem:

Research: *Hint – you will use your notes from the past weeks to research. You will want to find out information on the independent variable and dependent variable in the problem that you wrote above.*

IV = _____ DV = _____

Hypothesis:

Important Information:

1. You must model the following boundaries (in this order):
 - Transform
 - Oceanic-Oceanic Divergent
 - Continental-Continental Convergent
2. Plan how you will model each of these boundaries with materials listed below. You will not get more supplies! Think about how the 4 pieces of graham cracker can be used for 3 different boundaries.
3. Remember the ways to write successful procedures. Look at your notes from yesterday for hints! It may be helpful if you write the procedures as 3 separate sections (like three mini-experiments!) for the 3 boundaries. Diagrams are often helpful in procedures as well.

Materials:

1 whole graham cracker (divided into 4 pieces)	=	<u>What does this represent in your model?</u>
1 scoop of pudding	=	_____
10 mL water	=	_____

One piece of wax paper – 30 cm x 30 cm (for easy clean-up purposes!)

