

Name: _____

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Snack Tectonics

Purpose: What is the purpose of this lab?

Materials: What real-life features in plate tectonics do the material model? Hint: Asthenosphere is the Mantle

Frosting =
Fruit Roll-Up =

Graham Cracker =
Wax Paper =

Data: Draw each plate boundary *and label* the lithosphere, types of crust, mantle, and the direction of plate movement. Give a 1 sentence caption for each figure.

<i>Divergent Boundary</i>

<i>Oceanic-Continental Collision (Convergent)</i>

<i>Continental-Continental Collision (Convergent)</i>

<i>Transform Boundary</i>

Data Analysis Questions: IN COMPLETE SENTENCES

1. What type of crust is represented by the graham crackers?

2. What type of crust is represented by the fruit roll-up?

3. What *physical* layer of the earth does the frosting represent?

4. Give one real –life example of each type of plate boundary: (geographic feature and how it was formed)
 - Continental- Continental Collision

 - Oceanic-Continental Collision

 - Transform Boundary

 - Divergent Boundary

5. What are some of the problems of the models you've created?