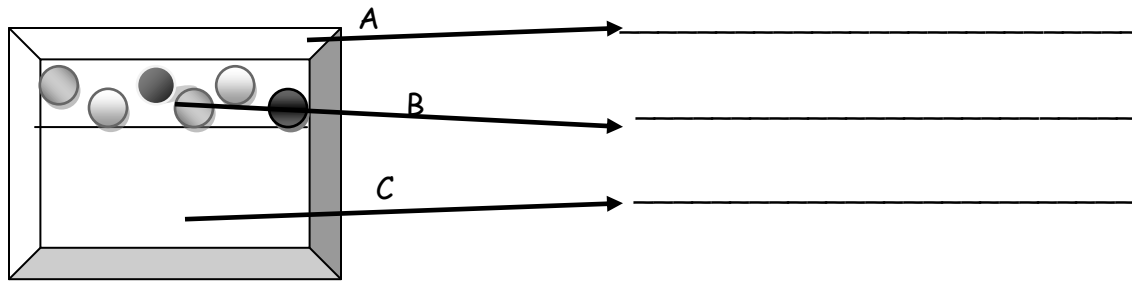


## Candy Bar Tectonics

The candy bar is a model of the layers of the Earth. Appropriately label the layers of the candy bar to correspond to the layers of the Earth using the mesosphere, lithosphere, and asthenosphere.



Use your fingernail to make 3 small cracks in the surface of your "Earth" or candy bar.

What surface features do you think cracks represent?

*Slowly push on the ends of your candy bar and observe how the chocolate near the cracks interact.*

What are 2 things you observed?

What do you think caused these to occur?

What landform on Earth's surface might form here?

*Slowly pull on the ends of your candy bar and observe how the chocolate near the cracks interact.*

What are 2 things you observed?

What do you think caused these to occur?

What landform on Earth's surface might form here?

*Slowly push one way on one end of your candy bar and push the opposite direction on the other end as though one side of the candy bar is sliding past another and observe how the cracks on the chocolate interact.*

What are 2 things you observed?

What do you think caused these to occur?

What landform on Earth's surface might form here?

### **Analyze and Conclude**

1. Did you notice any effects that were caused by the difference pushing, pulling, or sliding the chocolate bar?
2. Did you observe any patterns of the destruction or creation of the chocolate surface?
3. Does the candy bar look exactly the same as it did before you started this activity?
4. How does this activity demonstrate or show what is occurring to the Earth's Lithosphere?