

Name _____

Candy Bar Tectonics

1. Label the parts of the candy bar to correspond to the layers of the Earth.

2. Use your fingernail to make small cracks in the surface of your “Earth” or candy bar.

What do we call the cracks in the Earth’s surface? _____

What do we call the large pieces of Earth’s crust? _____

3. **Tension** is a force that pulls on the plates of Earth’s crust causing them to move apart. Slowly pull on the ends of your candy bar.

What happens? List two things you observed.

4. **Compression** is a force that pushes on the plates of Earth’s crust causing them to move together.

Slowly push on the ends of your candy bar.

What happens? List two things you observed.

5. **Shearing** is a force that pushes on the plates of Earth’s crust causing one to move in one direction and the other plate in the opposite direction. Slowly push one way on one end of your candy bar and push the opposite direction on the other end.

What happens? List two things you observed.