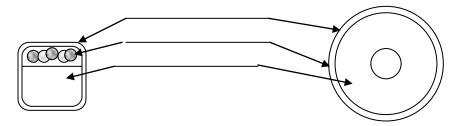
## **Candy Bar Tectonics**

Name \_\_\_\_\_

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.