**Title:** Expansion and Contraction **Name** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Purpose:** To show what happens when solids are exposed to heat.

**Materials:**

1. Bimetal Strips
2. Ball & Ring
3. Heat Source (Bunsen burner, alcohol lamp or hot water)
4. Ice Water

**Procedure:**

1. Sketch a picture of the Bimetal Strip.
2. Put into a heat source and sketch it again.
3. Why did the Strip do this.
4. Put the Strip into cold water.
5. Put the ball through the ring and sketch a picture of the Ball and Ring
6. Put the ball into a heat source and try to pull it out of the ring sketch it.
7. Why would it not come out?

**Analysis:** Answer the questions as you do the experiment.

**Conclusion:** 2 things you learned.