**Spooky Lava Lamp**

**WHAT TO KNOW:**

**Water and oil have a density. One is thicker than the other.**

**YOU WILL NEED:**

* a jar or beaker
* cooking oil
* water
* food coloring
* alka seltzer tablets or generic equivalent
* spooky Halloween accessories (like spiders)

**EXPERIMENT SETUP**

Set up this experiment on a plastic tray or cookie sheet. Newspaper and paper towels will be helpful.

**WHAT TO DO:**

1. Fill a jar 3/4 of the way with water.

2. Now fill up the rest of the jar with cooking oil.

3. Observe what happens when you add drops of food coloring to the oil and water mixture.

4. Add an alka seltzer tablet and check out what happens.

5. Drop in the spiders.

WHAT HAPPENED:

Did you notice the water and oil didn’t mix? When the tablet and water combine, they create carbon dioxide. Is the carbon dioxide what causes the bubbling? What causes the color water to move about?