**4-H Science Sisters - Density of Liquids**

“What will happen when a candle is placed in rubbing alcohol? What will happen if the same candle is placed in water?”

**Supply Needs:**

* Clear plastic cups
* Tea light candles
* Rubbing alcohol
* Water
* Cooking oil
* Corn syrup
* Syringe (empty w/o needle)
* Measuring cylinder
* Scale

**Optional/Additional Needs:**

* Dish soap
* Milk
* Honey
* Food Coloring

**Predictions:**

Candle in rubbing alcohol \_\_\_\_ Float \_\_\_\_ Sink

Candle in water \_\_\_\_ Float \_\_\_\_ Sink

Candle in cooking oil \_\_\_\_ Float \_\_\_\_ Sink

Candle in corn syrup \_\_\_\_ Float \_\_\_\_ Sink

Candle in dish soap \_\_\_\_ Float \_\_\_\_ Sink

Candle in milk \_\_\_\_ Float \_\_\_\_ Sink

Candle in honey \_\_\_\_ Float \_\_\_\_ Sink

**Density = mass/volume**

**\*When figuring the density of water/rubbing alcohol make sure to deduct the weight of your container.**