

Activity Sheet

Properties of Liquids

**Safety:** Wear safety goggles, and be sure to follow all safety instructions given by your teacher. Wash your hands after completing the activity.

**ACTIVITY**

**Question to investigate:**

Do liquids that look similar have different properties?

**Materials**

- Cup with water
- Cup with mineral oil
- Cup with corn syrup
- 3 disposable droppers
- Plastic bag with cardstock in it
- Paper towel



**Procedure**

1. Lay the bag flat on the desktop or tabletop.
  2. Use separate droppers to place three drops of each liquid in one spot on the plastic bag directly under the label for that liquid.
1. When the drops of liquid were placed on the plastic bag, they may have beaded up or been flatter. Put a number next to each liquid according to whether the shape of the liquid drop was **1: Round, 2: Between round and flat, 3: Flat**

**Water** \_\_\_\_\_

**Oil** \_\_\_\_\_

**Syrup** \_\_\_\_\_

Describe the shape or anything else you notice about each liquid on the plastic.

The water looks \_\_\_\_\_

\_\_\_\_\_

The oil looks \_\_\_\_\_

\_\_\_\_\_

The corn syrup looks \_\_\_\_\_

\_\_\_\_\_

3. Hold onto the top corners of the bag and slowly lift and tilt the bag to see how the liquids move down the plastic.
2. When you tilted the plastic bag, the drops of liquid may have moved at different speeds. Put a number next to each liquid according to whether it moved:  
**1) Fastest; 2) Medium Speed; 3) Slowest**



**Water** \_\_\_\_\_

**Oil** \_\_\_\_\_

**Syrup** \_\_\_\_\_

Describe the way the different liquids looked and acted when you tilted the plastic.

The water \_\_\_\_\_

\_\_\_\_\_

The oil \_\_\_\_\_

\_\_\_\_\_

The corn syrup \_\_\_\_\_

\_\_\_\_\_

3. You saw your teacher add one drop of food coloring to each of the liquids (water, oil, and corn syrup).

Describe what you observed about what the food coloring did in each liquid.



In water, the food coloring \_\_\_\_\_

\_\_\_\_\_

In oil, the food coloring \_\_\_\_\_

\_\_\_\_\_

In corn syrup, the food coloring \_\_\_\_\_

\_\_\_\_\_