

Lesson 2.1
Activity Sheet
Properties of Liquids

Name: _____

Date: _____

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 droppers to place three drops of each liquid together on the plastic bag under the label for that liquid.
1. When the liquids were on the plastic bag, they may have beaded up or been flatter. Put a number next to each liquid according to whether it is **1: Most Round, 2: Kind of Flat, 3: Flattest**

Water **1**

Oil **3**

Syrup **2**

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

The water looks like a bead. It is almost a sphere but flat on the bottom.

The oil looks like a very flat round disc.

The corn syrup looks somewhere between the water and the oil. It is not as round as the water but a little rounder than the oil.

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 bag, the drops moved at different speeds. Put a number next to each liquid according to whether it is
1: Fastest, 2: Middle Speed, 3: Slowest



Water 1

Oil 2

Syrup 3

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

The water ran down very quickly and left no trace of water behind.

The oil ran more slowly than the water and left a trail of oil behind.

The corn syrup barely moved at all.

3. You saw your teacher put one drop of food coloring in water, oil, and corn syrup.

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

In water, the food coloring drifted down and stayed together as a drop for a while and then started to spread out. There were streamers of color as the drop fell through the water.

In oil, the food coloring fell through the oil but stayed in a small round drop and did not spread and made no colored streamers.

In corn syrup, the food coloring drop spread out on the surface of the corn syrup but did not drift down below the surface.