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 _________________________________________________________________
                                                                                   _________________________________________________________________