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 _______________________________________
   _________________________________________________________________