

CURIOSITY KIDS PRESENTS

LIQUIDS!

EXPERIMENT

MATERIALS

- Light Corn Syrup
- Water
- Baby Oil
- Food Coloring (red, yellow, blue)
- 4+ plates with raised edges (not paper)
- 6+ plastic cups or glasses
- 6+ spoons

Note: Craft sticks, pipettes, or eye droppers can work

- Liquids Experiment Results Sheet



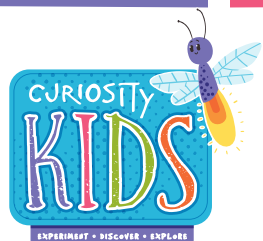
OPTIONAL LIQUIDS TO TRY

- White Vinegar • Milk • Almond Milk
- Vegetable Oil (olive, grape seed, sesame, etc.)*
- Fruit Juices (grape, apple, cranberry, etc.)**
- Liquid Soaps***

* any vegetable or nut oils

** any clear fruit juices

*** any shampoos, conditioners, or dish soaps



INSTRUCTIONS

1

Put a layer of Baby oil in plates #1 and #2. Put a layer of water in plate #3. Leave plate #4 empty.

- Mix corn syrup with the food coloring so that you have a cup each of red, yellow, and blue.
- Mix water with food coloring so that you have a cup each of red, yellow, and blue.



First, look at the viscosity of your liquids. Dip a clean spoon in each type of liquid to see if it flows quickly or slowly.

2

- OR -



- Drip some colored water and colored corn syrup in plate #4 and move the plate around to see how the liquids flow.
- Circle your answer on your "My Liquids Experiment Results" sheet under the Viscosity column.



INSTRUCTIONS

3

Try adding some colored water to plate #1.

Does it sink or float?

Did it mix or not mix?

Circle what happens on your "My Liquids Experiment Results" sheet under the Polarity and Density columns.



4

Try adding some colored corn syrup to plate #2.

Does it sink or float?

Did it mix or not mix?

Circle what happens on your "My Liquids Experiment Results" sheet under the Polarity and Density columns.

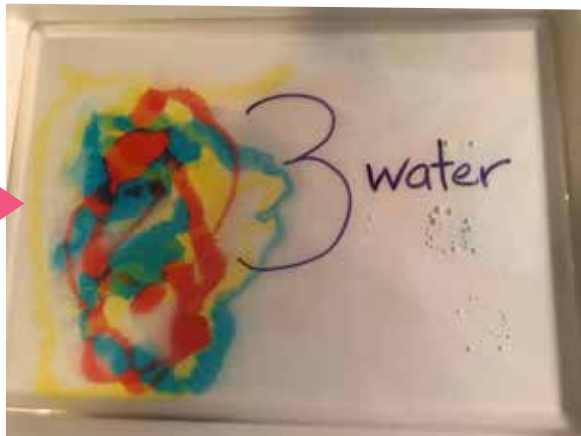
5

Try adding some colored corn syrup and colored water to plate #3.

Did they sink or float?

Did they mix or not mix?

Circle what happens on your "My Liquids Experiment Results" sheet under the Polarity and Density columns.



6

Try mixing other types of liquids and see what happens.
Be sure to track your results!



MY LIQUIDS EXPERIMENT RESULTS

LIQUIDS (Circle your answers)	POLARITY How does it mix? Polar - Mixes easily Non-Polar - Doesn't mix	DENSITY Does it float or does it sink? Low Density - Floats High Density - Sinks	VISCOSITY How easily does it float? Low Viscosity - Floats Fast High Viscosity - Flows Slow
OIL	POLAR NON-POLAR	LOW DENSITY HIGH DENSITY	LOW VISCOSITY HIGH VISCOSITY
WATER	POLAR NON-POLAR	LOW DENSITY HIGH DENSITY	LOW VISCOSITY HIGH VISCOSITY
CORN SYRUP	POLAR NON-POLAR	LOW DENSITY HIGH DENSITY	LOW VISCOSITY HIGH VISCOSITY
OTHER LIQUID: _____	POLAR NON-POLAR	LOW DENSITY HIGH DENSITY	LOW VISCOSITY HIGH VISCOSITY
OTHER LIQUID: _____	POLAR NON-POLAR	LOW DENSITY HIGH DENSITY	LOW VISCOSITY HIGH VISCOSITY
OTHER LIQUID: _____	POLAR NON-POLAR	LOW DENSITY HIGH DENSITY	LOW VISCOSITY HIGH VISCOSITY

