

# Mix it up! What happens when you mix different liquids?

Learn about the properties of liquids as you get mixing.

## What You Need

- Several types of liquids from around your home, such as: milk, cooking oil, apple sauce, spaghetti sauce, water, tea, coffee, liquid soap, shampoo, body lotion, bath bubbles, hair gel, juice, ketchup, fruit drink, chocolate syrup, pancake syrup, molasses, honey, vinegar, soya sauce, lemon juice, etc.
- 3 or more small plastic cups (transparent is best)
- 3 or more spoons for mixing

### Safety First!

- Provide adult assistance for young children to pour liquids.
- Ensure young children **do not taste or ingest** the liquids used in this activity.
- Do **not** use household cleaning products or other hazardous liquids for this activity.

## What to Do

- Set up a test area with the cups and spoons in an area where spills are not an issue, such as the kitchen table.
- Bring your test liquids to the test area.
- Pour a small amount of two different liquids together into one cup and mix them together with a clean spoon. What happens to the liquids? Did the two liquids become one new liquid, or do they remain separate liquids and form layers? Do they change colour, texture, smell, foam up, etc.?
- Try pouring new combinations of liquids into the cups, predicting what will happen before you begin mixing. Be sure to wash the cups and spoons between combinations. Did any combinations surprise you? Were there any unexpected results?

# SCIENCE EXPERIMENT!



I Did (or I saw) 

I thought:



I Wondered:

