

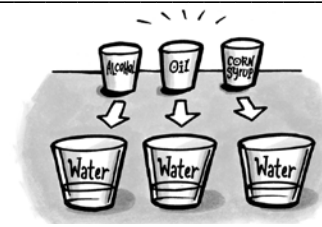
## Student activity sheet

Name: \_\_\_\_\_

### Activity 4.4

## Dissolving different liquids in water

### Do all liquids dissolve in water?



You know that some solids, like sugar, can dissolve in water. In this experiment, you will find out if *liquids* can dissolve in water.

### Conduct the experiment

#### Procedure

1. Half-fill three clear plastic cups with room-temperature water.
2. While looking at the water from the side, slowly pour the alcohol into the first cup of water.
3. Observe first to see if the alcohol dissolves in the water.
4. Stir to see if the alcohol dissolves.
5. Record your observations in the chart below.
6. Repeat Steps 2–5 for vegetable oil and corn syrup.

### What do you observe?

1. Describe what happens when you mix the following liquids with water.

Isopropyl alcohol	Vegetable oil	Corn syrup
Does isopropyl alcohol dissolve in water? _____	Does vegetable oil dissolve in water? _____	Does corn syrup dissolve in water? _____
How do you know?	How do you know?	How do you know?

2. Do all liquids dissolve equally well in water? \_\_\_\_\_  
Use evidence from your experiment to justify your answer.

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