

5th Grade - Lesson 2.5
Activity Sheet
The Density of Liquids

Name: _____

Date: _____

Safety: Wear safety goggles and be sure to follow all safety instructions given by your teacher. Wash your hands after completing the activity.

DEMONSTRATION

In a demonstration, your teacher poured corn syrup into water.

1. Your teacher put two cups containing equal amounts of corn syrup and water on opposite ends of a balance.
Which was heavier, the corn syrup or the water?

2. Your teacher poured the corn syrup into the water. Did the corn syrup sink or float in the water? _____

3. Is corn syrup more dense, less dense, or the same density as water?

ACTIVITY

Question to investigate:

Is vegetable oil more or less dense than water?

Materials

- 50 mL water in cup
- 50 mL vegetable oil in cup
- 50 mL corn syrup (colored) in cup
- Balance

Procedure

1. Place the cup containing water and the cup containing vegetable oil on opposite ends of a balance.



WHAT DID YOU OBSERVE?

4. Which weighs more, the cup containing water or the cup containing vegetable oil? _____
5. Is vegetable oil more dense or less dense than water? Explain.

