

Curiosity Labs™ by Merck:  
**candy bar Flotation**

**in this experiment, you will learn...**

- What a **hypothesis** is
- What **density** is

**Share your results and tag us! #SPARKCuriosity**

# Curiosity Labs™ by Merck: candy bar flotation

## SUPPLIES

- Several different varieties of fun sized candy bars
- Several clear cups (1 for each candy bar being tested) or one large clear tub
- Water

## Instructions

### STEP 1

Fill the tub or each cup about halfway full of water.

### STEP 2

Examine the candy bars and make a **hypothesis** about which ones you think will sink and which ones you think will float.

### STEP 3

Once you have made a prediction for each candy bar, unwrap the candy and carefully drop it into the water.

### STEP 4

Wait for a few seconds and observe which ones float and which ones sink.

Share your results and tag us! #SPARKCuriosity

## FUN FACTS

A **hypothesis** is an important part of the scientific method. Scientists make a hypothesis statement to predict what they think will happen as a result of the experiment.



## WHAT HAPPENED?

The candy bars that sink are denser than the water, while the candy bars that float are less dense than the water. The density of each candy bar is determined by the contents inside. Candy bars that are filled with more air, such as those containing wafers or marshmallows, are less dense because air weighs less than water.