

A STEM in the Park

Take Home Activity

STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

Float or Sink

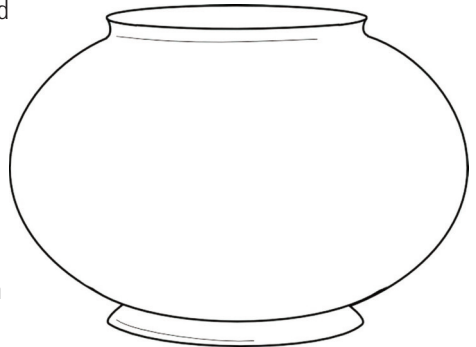
What You Need

- A small bowl of water
- A pencil
- 7 small objects.



What To Do

Gather 7 objects from around your home and outside. Study each object. Will the bigger objects sink, while the smaller objects float? Will heavy objects float or sink? Based on your observations, make a prediction each object. Draw the objects that float on top of the water. Draw the objects that sink on the bottom



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of the water. Fill in your prediction chart and test each object by placing it in the bowl. Record your results on the chart.

Object	Predictions		Results	
	Float	Sink	Float	Sink

The Science

Whether an object sinks or floats depends on its density. Everything is made of molecules. Molecules are tiny particles that can only be seen with a microscope. Some objects have molecules that are packed closely together. Others have molecules that are packed more loosely. This is density. Objects with tightly packed molecules are denser and sink. A paper clip or a penny is dense. Objects with more loosely packed molecules are less dense and float. Wood, cork or sponges float.

Additional Notes

Have an adult assist you with this activity. Activity adapted from:

<https://easyscienceforkids.com/all-about-sink-and-float/>

This activity is brought to you by the NWO Montessori

