

# CURIOSITY AT HOME

## SINK OR FLOAT



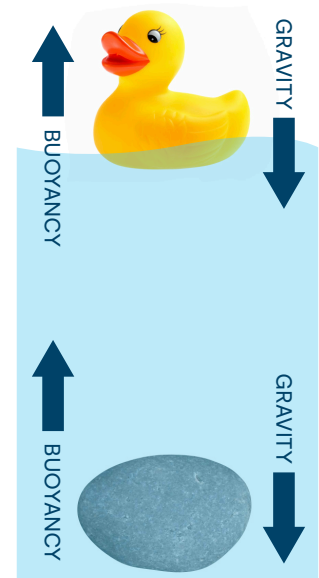
*Explore buoyancy by playing Sink or Float.*

Buoyancy is the upward force of a fluid (liquid or gas) on an object that is fully or partially submerged in the fluid.

Gravity is the downward force of a body or planet (Earth) has that pulls objects towards its center.

### MATERIALS

- Tub or pan of water
- Objects that are safe to be placed in water



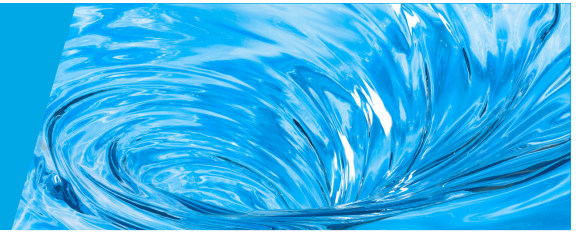
*Experiment continued on next page...*



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### K–2 GRADE EXPLORATION

Find random objects that are safe to place into water.

Make a prediction using a thumb up (float) or thumb down (sink).

Place the object in water to see if it sinks or floats.

Here are some questions you can explore together.

- What do the objects that sink have in common?
- What do the objects that float have in common?
- Find two objects made of the same material, one that sinks and one that floats. Why do you think one sinks and the other floats?
- Find two objects that are the same size, one that sinks and one that floats. Why do you think one sinks and the other floats?
- When something sinks, what happens to the water level?
- When something floats, what happens to the water level?



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