Build a Boat that Floats!

Purpose

To build a boat that floats using the concepts of density, buoyancy and pressure.

Materials

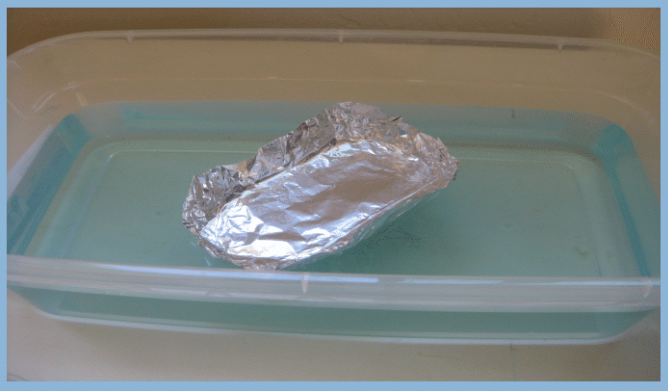
- Popsicle sticks
- Straws
- Paper
- Packing Tape
- Weights
- Scissors
- Container
- Water

Procedure

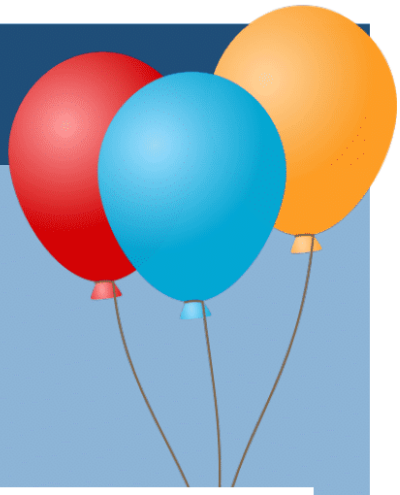
1. Fill the container about two-thirds full of water.
2. Use the materials given to construct a boat of any shape and size. The boat must be able to fit in the container.
3. Place your boat into the water. Observe what happens.
4. If your boat floats, start placing weights. Observe what happens.
5. Once your boat sinks, the experiment is over.

Questions

1. State what happened to the boat when you placed it empty in the water.
2. State what happened to the boat when you placed weights.
3. What are some qualities that make a boat float? Explain.
4. What would you change next time?



Word Search



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FLOAT
WATER
BOAT
VISCOSITY
PRESSURE
PARTICLES
GAS
SINK
LIQUID
SOLID
AREA
BUOYANCY
FLUID
FORCE
HYDRAULIC
VOLUME
DENSITY