



Sink or Float?

Question: How do the densities of various objects and materials compare to the density of water?

Hypothesis: List each of the materials/objects into the category you predict best describes their density when compared to the density of water.

Less Dense than Water	More Dense than Water

Experiment Procedure:

1. Carefully place each object, one at a time, onto the surface of the water.
2. Observe whether the object floats or sinks.
3. Determine whether the object's density is less than the density of water, or greater than the density of water.

Record your data in this table:

Object	Material(s)	Sink or Float?	More or Less Dense than Water?

Sink or Float?

Conclusions:

I accepted my hypothesis about these objects: _____

I rejected my hypothesis about these objects: _____

Publish:

Items made of these materials are less dense than water: _____

Items made of these materials are more dense than water: _____

Challenge Question: How can a material float if it has a density greater than the density of water?

Describe what you did to successfully float a material that is denser than water. Tell which material you used!

Explain why you think this was successful. Use concepts we have learned about mass, volume, and density in this unit.
