

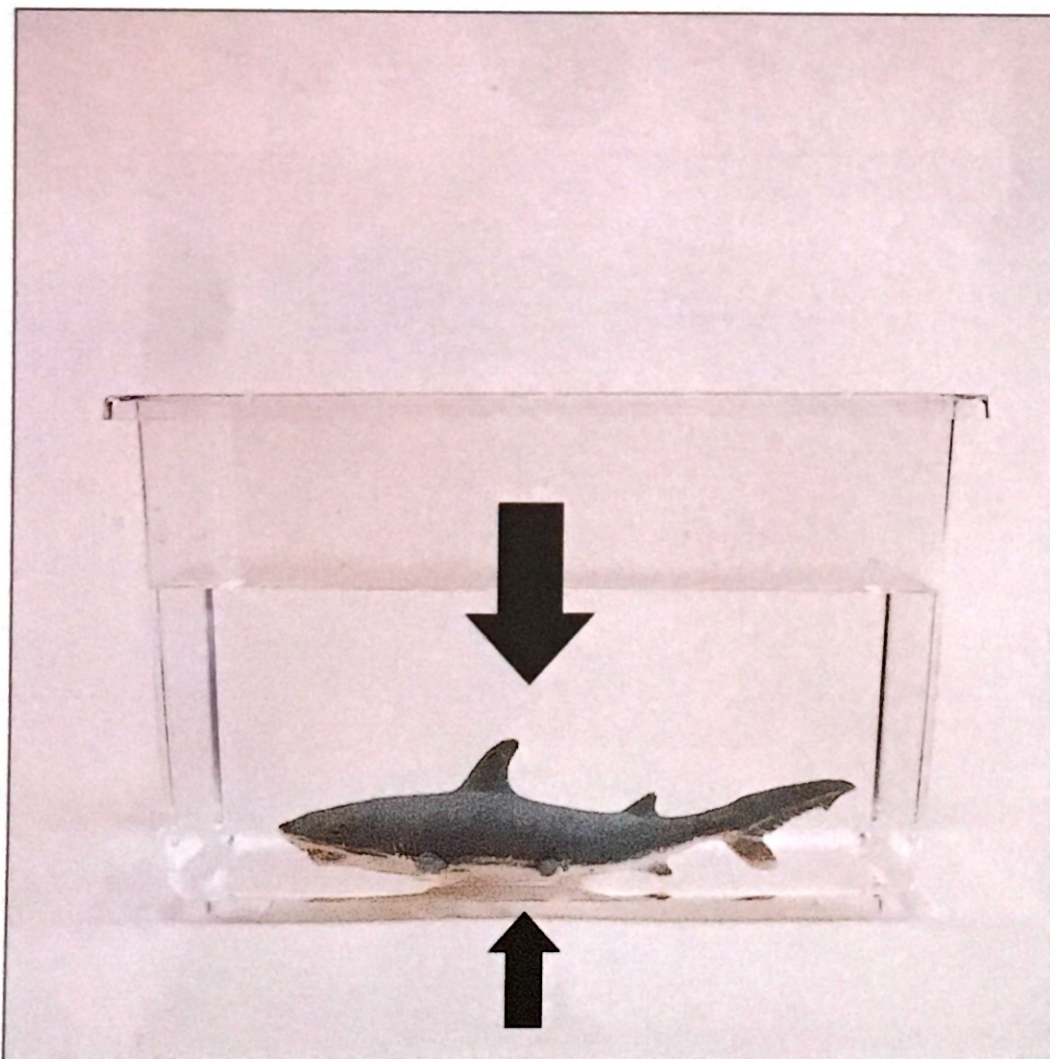
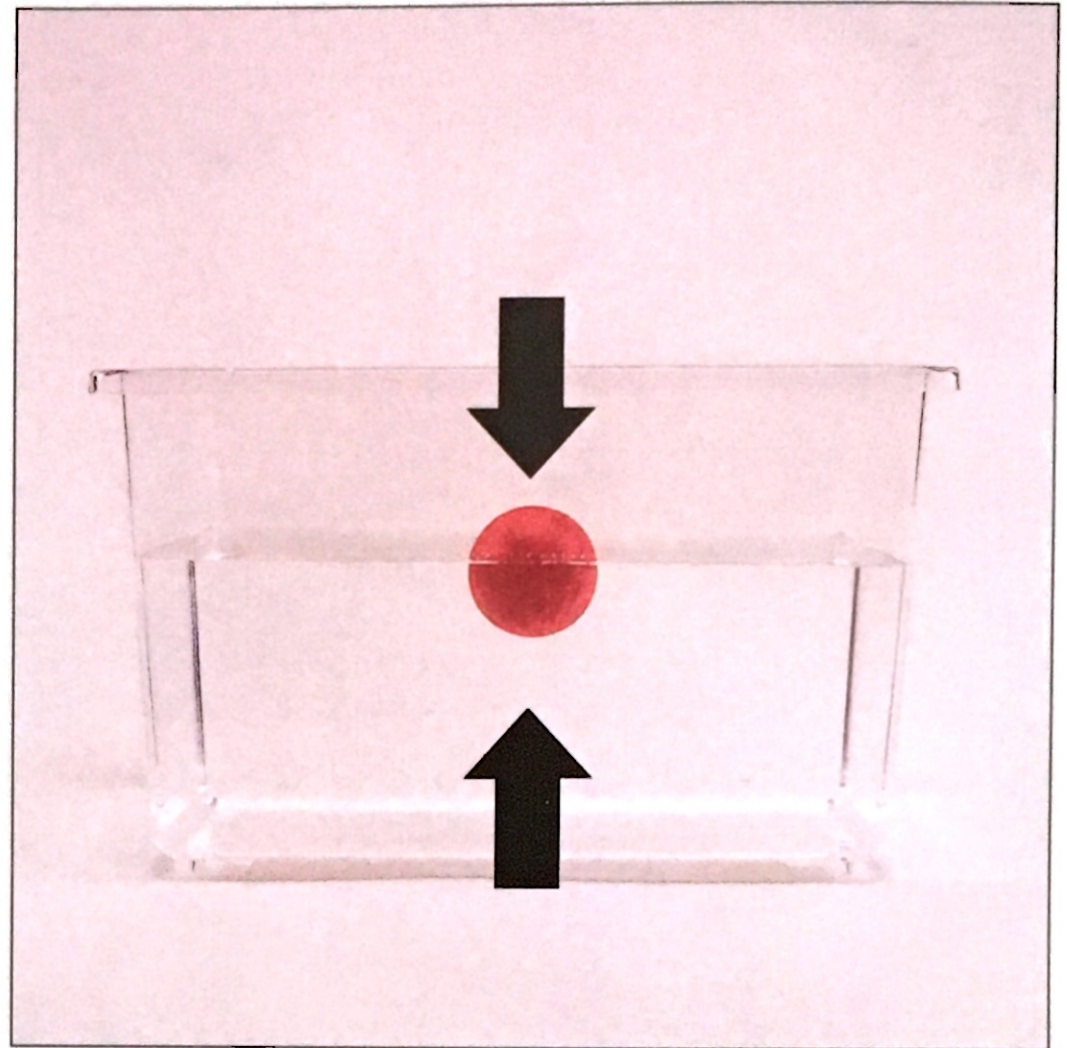
 **Water provides an upward force on objects.**

Fact File

The push force of water

When something is pulled or pushed down into water, the water pushes back. This push back is called 'up-thrust'.

When you put a tennis or rubber ball on water, there is the pull of gravity between the ball and the Earth. But at the same time, the water is pushing up on the ball. Gravity pulls downward as the water pushes upward. If the up-thrust of the water and the weight of the object are balanced, then the object floats.



If the weight of the object is greater than the up-thrust of the water, then the object sinks.