



## Word Match:

**Buoyant force**

A push or pull on something

**Volume**

The amount of matter in an object (weight)

**Sink**

The force of an object being pulled down

**Displacement**

Staying at the top of water

**Force**

The force of water pushing up against an object

**Gravity**

Dropping to the bottom of the water

**Float**

The amount of space an object takes up (size)

**Mass**

Pushing water out of the way

## Review Questions

1. Why does adding a solute to the water increase the density?

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2. If solids are usually denser than liquids, and therefore sink, how are icebergs able to float?

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3. What are the two different forces that act on an object in the water?

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4. Why does a plastic bottle that's full with juice sink in water, but an empty plastic bottle float?

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