

Grade 2 Week 4

BOTTLE FOUNTAIN

MATERIALS:

2 empty plastic liter bottles or small water bottles
water
food coloring
index card
salt

PROCEDURE:

1. Fill one bottle with cold tap water colored with food coloring.
2. Fill the other one with salty water. (To make salty water you mix three tablespoons of salt in warm water and leave it to cool.)
3. Put an index card over the top of the salty water bottle.
4. Hold the card tight, turn the bottle upside down and balance it on the other bottle.
5. Have an adult hold the two bottles and you remove the card.
6. Record your observations.

HOW IT WORKS:

The colored tap water rises because it is less dense than salty water. Things float more easily in dense (heavy) liquids. This is why it is easier to swim in the sea. The salty water is denser than ordinary water so it helps keep you afloat!