



Salt Water Density Experiment

You will need:

- Small, light plastic jewels
(If you don't have jewels, don't worry)
You can use small grapes instead.
- 4 clear cups full of water
- Salt
- Sugar
- Baking Soda (or try baking powder)

Instructions ...

- Have ready 4 clear cups full of water, labelled
- Dissolve 2 tablespoons of salt into the first cup
- 2 tablespoons of sugar into the second cup
- 2 tablespoons of baking soda in a third cup.
- Leave one cup as plain, fresh water, so that we can see what happens to the jewels/grapes when nothing is added
(This is the controlled variable.)

Let's talk science...

Predict ...

What do you think will happen to the jewels in the containers?

Will they float or sink?

Why?

Observe ...

What happened to the jewels in the salt /soda/sugar water ?

What happened to the jewels only left in water?

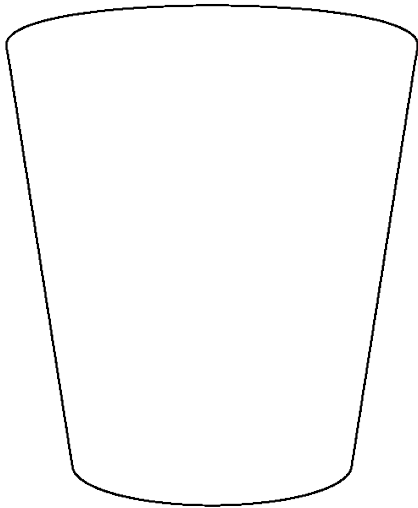
Why do you think this happened?



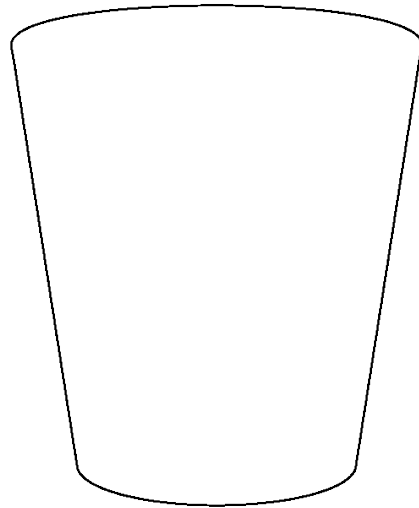
The science behind ...

When you add salt to water it makes the water more dense. This means it gets heavier. Many objects that sink in fresh water will float in salt

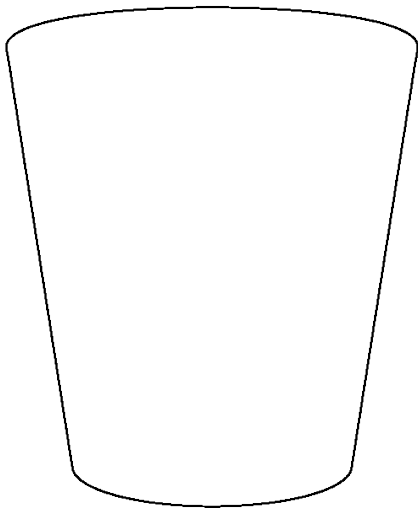
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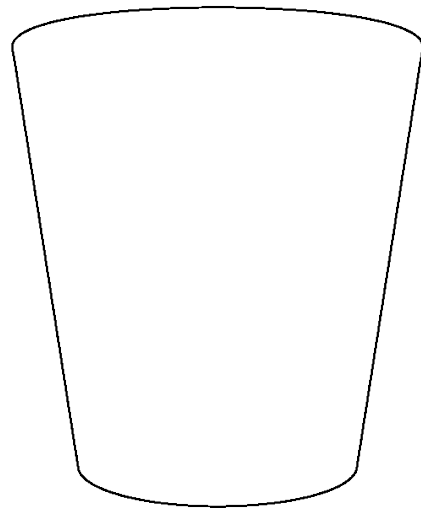
water



salt



sugar



baking soda

What happened?
