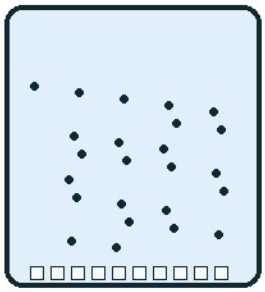
Dissolving: How Much Fits?

Salt and sugar vanish, but are they gone?



dissolved particles spread out; extra grains settle

YOU NEED

- 2 glass cups
- warm tap water
- table salt
- sugar
- a spoon

TRY IT

1. Fill each cup with the same amount of warm water.
2. Stir one level spoon of salt into one cup and one of sugar into the other.
3. Keep adding one spoon at a time, stirring, and count the spoons.
4. Stop when no more dissolves and some stays at the bottom.

WHAT IS HAPPENING

When a solid dissolves, its particles spread out between the water particles. Each substance has a limit, and when it is reached the solution is saturated. The solid is still there: let the water evaporate and it comes back.

SAFETY FIRST

Do not taste the mixtures. Use warm tap water, not hot water. Wipe up spills.

Never mix cleaning products, and never taste experiments.

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