

Dissolving

E experiment: To see what substances dissolve in hot and cold water.

Equipment:

- Containers
- Different substances
- Cold and hot water
- spoon

Substance	Prediction	Did it dissolve?	Comment
Caster sugar	✓	✓	dissolved quickly. clear liquid
Salt	✓	✓	Dissolved quickly milky liquid
oats	X	X	milky liquid from flour soft oats.
Coffee grains	✓ slowly	✓	dissolved few lumps left
bicarbonate of soda	✓ bubble	✓	Few bubbles dissolve
Yeast	✓ slowly		Didn't dissolve granules sunk
Demerara sugar	✓ slowly	X	Brown liquid some granules remain.
Sawdust	X	X	didn't dissolve clear water

Extension Experiment

We used hot water with coffee granules, yeast and demerara sugar - they all dissolved much more quicker than in cold water but the yeast still had grains left.

Fair Testing:

Use the same amount of water and substance each time.