

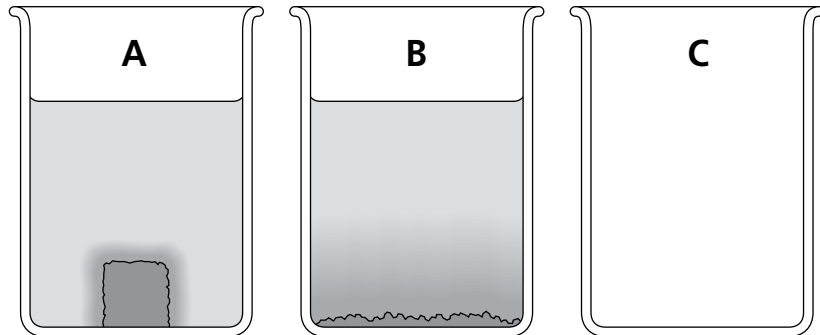


Name: Form:

See pages 10 and 11 of *Dissolving*

Speeding up dissolving

A solid dissolves faster when it is made into a powder, if it is stirred into the liquid or when the liquid is warmer.



Q1. In the diagram above, beaker A contains a stock cube in water. Beaker B contains a crumbled stock cube in water. The water is coloured in both beakers. Why?



.....



.....


Q2. Both cubes were placed in water at the same time. Which one is dissolving faster, and how can you tell?



.....



.....

Q3. In which beaker does the cube have a larger surface in contact with the water? 

Q4. In beaker C above, draw what would happen if you stirred up the crumbled stock cube with water.

Q5. Why does stirring help the cube dissolve?



.....



.....



.....

Q6. Why would using hot water speed up dissolving of the cube?



.....



.....