

CurriculumVisions Lesson

Students: fill in next to the word answer and return the document for assessment.

Science Book: Dissolving (6C)

Pages 10-15

Everything here is based on our Curriculum Visions book Dissolving (6C)

In this segment, we are going to learn more about dissolving, how to speed up dissolving and what happens when gases dissolve.

Part 1

You will need to go to pages 10-11 of the book. Describe three ways of speeding up dissolving.

Answer.....

Make the substance smaller (e.g. by breaking it up or crushing it into a powder)

Make the water and solid warmer.

Stir the solid with the water.

Imagine that you have a sugar cube and some water at room temperature. How would you test whether these ways of speeding up dissolving really worked?

Answers might include.....

Set out four glasses of water. In one, time how long it takes to dissolve the sugar cube in a glass of water at room temperature. Then, in one glass, crush up the sugar cube and time how long it takes to dissolve; in a second glass, stir the sugar cube around and time how long it takes to dissolve; in the third glass, place the sugar cube in hot water time how long it takes to dissolve.

Part 2

Go to pages 12-13. Design an experiment to prove that dissolving adds volume. If your teacher agrees, try it out.

Students' own answers.....

Part 3

Go to pages 14-15

Describe what happens when you take the cap off a bottle of fizzy drink. You can use words or a drawing.

Answers could include.....

Gases (or carbon dioxide) are dissolved in the drink when it is made. When the cap is removed, the pressure in the drink is lowered and so the drink can't hold as much gas. The gas expands, making the fizz.

If you are interested in this topic continue to browse the book and watch our amazing videos. They start right on the book cover.