

CurriculumVisions Lesson

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

Science

Book: Changing from solids, to liquids to gases (5D)

Pages 14-19

Everything here is based on our Curriculum Visions book **Changing from solids, to liquids to gases (5D)**

In this segment, we are going to learn more about how substances change from liquids to gases and back again.

You will need to go to pages 14-15 of the book. Think about a puddle evaporating on a hot day. What is happening to the particles of water in the puddle?

Answers.....

As the particles of water in the puddle are heated up by the sun, they shake and bounce around so much that the particles on the surface break lose and float off into the air as vapour (gas). After time, all of the particles in the puddle disappear into the air as vapour.

Go to pages 16-17. Why is it safer to boil water in a rough pan that is only half full?

Answer.....

Smaller bubbles will form and so when they rise to the surface and burst, less boiling hot steam will be released, and it will be farther from the rim of the pan and any hands or arms that are in the way.

Go to pages 18-19. Draw a picture of condensation in the side of the glass and label it to show where the water is coming from.

Students own answers.....

Refer students to the diagram on page 18. The labels should show the condensation coming from water vapour in the air.

Why does more condensation form when the glass is colder than the air?

Answers.....

The water vapour in the air cools as it comes into contact with the cold glass and forms liquid - droplets.

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