

CurriculumVisions Lesson

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

Science Book: Changing materials (6D)

Pages 4-9

Everything here is based on our Curriculum Visions book Changing materials (6D).

In this segment, we are going to learn about how substances change, and the effects of heating and burning on substances.

Part 1

You will need to go to pages 4-5 of the book. Look around your classroom or your home. Give an example of something that was made by making an irreversible change. Can you also think of an example of a reversible change?

Answers could include.....

Irreversible change: metal lamp, chair, clay pot, plastic case, cooked food, etc.

Reversible change: water vapour from boiling water

Part 2

Go to pages 6-7. How is clay changed when it is heated in a kiln? What kind of change is this?

Answer.....

It becomes hard and brittle. Irreversible.

Think of a cooked food that you like. What changes happen to the food when it is cooked? Are these changes irreversible?

Answers will vary.....

Look for answers about the heat changing the foods, turning liquids to solids, etc. Most changes will be irreversible, although some, such as butter melting will be reversible.

Part 3

Go to pages 8-9

Describe the changes that occur to a piece of wood when it burns.
Are these changes reversible or irreversible?

Sample answer.....

Most of the wood turns to gas/vapour and disappears; the
amount of solid becomes smaller - mostly carbon is left behind
in the form of ash or soot.

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