

Student worksheet

4.1 The properties of matter can be described

Pages 62–63 and 178

Properties of matter

- 1 What is matter?
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- 2 What two things must substances have in order to be called matter? Explain how each is measured.
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Part 1 – Solids, liquids and gases

3 Are the substances in the following images solids, liquids or gases or a mixture?













Part 2 – Chemical and physical properties

4 Name three things you could look for to know that a chemical reaction has occurred.

5 What are physical properties of matter?

6 What are the physical properties of the following substances?



a



b

Extend your understanding

7 Are the following situations examples of physical or chemical properties? Explain why.

a Water boils at 100°C

b Diamond is used to cut glass

c Salt dissolves in water

d Paper is flammable

e Magnesium metal burns to form a white powder

f Nitrogen is a gas at room temperature

g A ball of aluminium sinks faster in water than a piece of aluminium foil does

h If your car is left in the rain, the iron will form rust
