

Paper 1

Questions are applicable for both core and extended candidates

1 Which list contains **only** chemical changes?

- A** melting, evaporating, dissolving
- B** rusting, freezing, cracking
- C** neutralisation, polymerisation, combustion
- D** boiling, condensing, distillation

2 Which row describes a chemical change?

	new substances are made	there is a change of state
A	always	always
B	always	sometimes
C	never	always
D	never	sometimes

3 Which process involves a chemical change?

- A** adding sodium to water
- B** boiling water
- C** dissolving sodium chloride in water
- D** producing water from aqueous sodium chloride

4 Which changes are physical changes?

- 1 melting ice to form water
- 2 burning hydrogen to form water
- 3 adding sodium to water
- 4 boiling water to form steam

A 1 and 2 **B** 1 and 4 **C** 2 and 3 **D** 3 and 4

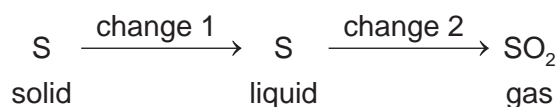
5 Which row identifies a chemical change and a physical change?

	chemical change	physical change
A	boiling ethanol	burning ethanol
B	burning ethanol	evaporating ethanol
C	dissolving ethanol in water	burning ethanol
D	evaporating ethanol	dissolving ethanol in water

6 Which process is a physical change?

- A** burning wood
- B** cooking an egg
- C** melting an ice cube
- D** rusting iron

7 A sequence of changes involving sulfur is shown.



Which row describes the changes?

	change 1	change 2
A	chemical	chemical
B	chemical	physical
C	physical	chemical
D	physical	physical