

Solutions

Each answer shows the steps, then the **result**.

2.1

- Physical

2.2

- Chemical — a new substance (iron oxide) forms

2.3

- Whether new substances (with new properties) form

3.1 C

- burning paper forms new substances

3.2

(a)

- Chemical

(b)

- New substances form (the black solid and the smell are different materials), so it is a chemical change

3.3

(a)

- physical (state change)

(b)

- chemical (reaction)

(c)

- physical (shape)