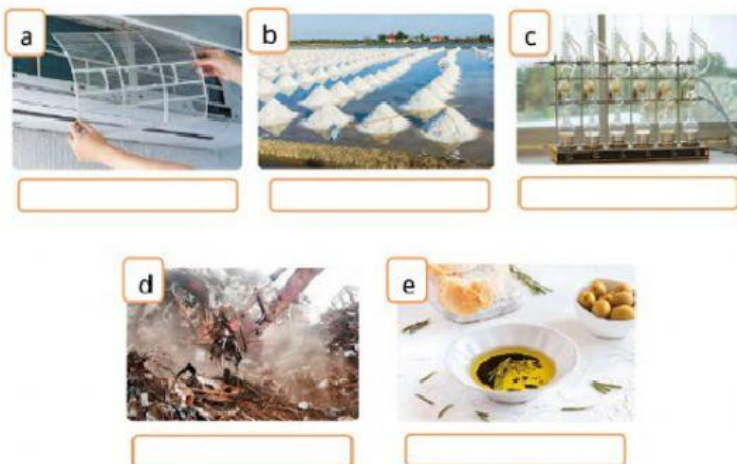


1

Label the photos with the separation methods that they show.



2

Label the mixtures with the method you would use to separate them: *filtration, magnetic separation, distillation, evaporation or decantation*.

- a. iron and plastic \_\_\_\_\_
- b. dust and air \_\_\_\_\_
- c. petrol and water \_\_\_\_\_
- d. mud and water \_\_\_\_\_
- e. sugar and water \_\_\_\_\_
- f. ethanol and water \_\_\_\_\_
- g. salt and water \_\_\_\_\_
- h. metal and rubbish \_\_\_\_\_

3

## FILEMOBK2HEEL2

Match the methods of separation in the box to their uses.

- |  |                               |
|--|-------------------------------|
| <b>a.</b> to separate metals from non-magnetic substances.                                   | <b>1.</b> evaporation         |
| <b>b.</b> to separate mixtures of liquids and solids; also liquids with different densities. | <b>2.</b> distillation        |
| <b>c.</b> to remove small particles from liquid and gases.                                   | <b>3.</b> decantation         |
| <b>d.</b> to turn liquid into vapour, leaving other substances in solid form.                | <b>4.</b> filtration          |
| <b>e.</b> to separate liquids with different boiling points.                                 | <b>5.</b> magnetic separation |

4

Label the statements with the correct chemical reaction, *oxidation*, *combustion* or *fermentation*.

- |   |       |
|---|-------|
| <b>a.</b> It is caused when microscopic organisms break down organic materials. | _____ |
| <b>b.</b> It occurs when oxygen in the air reacts with a fuel.                  | _____ |
| <b>c.</b> It occurs when some metals and foods react with oxygen in the air.    | _____ |
| <b>d.</b> It produces a brown substance called rust.                            | _____ |
| <b>e.</b> It produces energy in the form of heat and light.                     | _____ |
| <b>f.</b> Many foods are made through this chemical reaction.                   | _____ |
| <b>g.</b> Waste products are produced with this chemical reaction.              | _____ |