Name and surname:	Class:

1

Label the photos with the separation methods that they show.

a

b

c

d

e

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

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

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

4

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

a. It is caused when microscopic organisms break down organic materials. _____

b. It occurs when oxygen in the air reacts with a fuel. _____

c. It occurs when some metals and foods react with oxygen in the air. _____

d. It produces a brown substance called rust. _____

e. It produces energy in the form of heat and light. _____

f. Many foods are made through this chemical reaction. _____

g. Waste products are produced with this chemical reaction. _____