GCSE Chemistry A (Gateway Science)

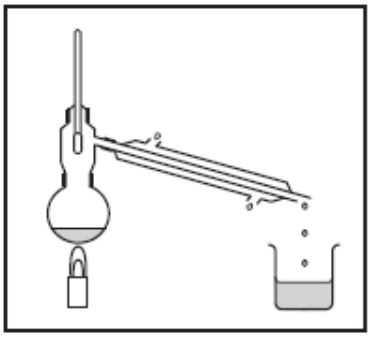
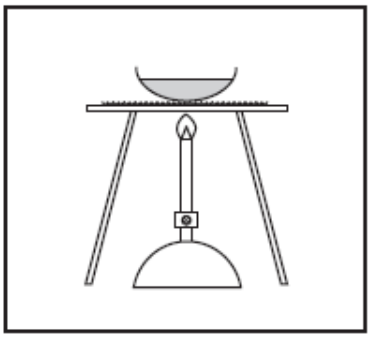
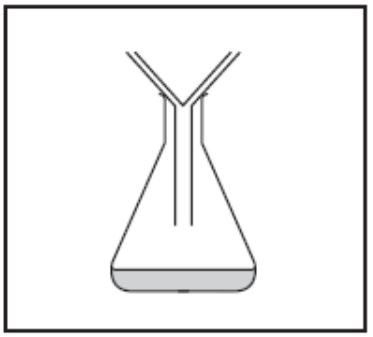
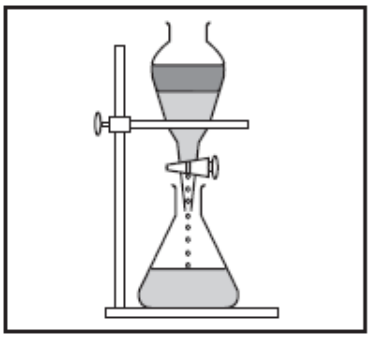
J248/01 Chemistry A C1-C3 and C7 (Foundation Tier)

Question Set 25

1 Different mixtures can be separated using different methods.

(a) Draw a line from each **separation process** to the **apparatus used**.

Use only **one** line for each process.

Separation process	Apparatus used
Crystallisation	
Filtration	
Distillation	
	

[3]

(b) A student is given a mixture of iron filings and sulfur powder.

Suggest a method that he could use to separate the iron and sulfur.

[1]

(c) The student heated the mixture to form solid iron sulfide. This is an example of a **chemical change**.

Write down **two** ways the student will know a chemical reaction has taken place.

1 .....

2 .....

[2]

(d) **(i)** The particle model shows how particles are arranged and how they move in solids, liquids and gases.

Describe how the particles are **arranged** in a solid.

[2]

(ii) Describe how the particles **move** in a solid.

[1]

Total Marks for Question Set 25: 9