

GCSE Chemistry B (Twenty First Century Science)
J258/01 Breadth in Chemistry (Foundation Tier)

Question Set 8

Multiple Choice Questions

1

Milk of magnesia cures indigestion.

It neutralises acid in the stomach.

Milk of magnesia is a mixture of magnesium hydroxide and water.

The formula of magnesium hydroxide is $\text{Mg}(\text{OH})_2$.

(a) Complete the equation for neutralisation:



[1]

(b) Kai buys two bottles of milk of magnesia, called **Gutcalm** and **Milkomag**.

He has a solution of hydrochloric acid.

He finds out how much acid is needed to neutralise 25 cm^3 from each bottle.

Here are Kai's results.

	Medicine	
	Gutcalm	Milkomag
Cost of a 250 cm^3 bottle	£1.75	£1.50
Volume of acid needed to neutralise 25.0 cm^3	24.0 cm^3	21.0 cm^3

(i) Which medicine gives the best value for money for neutralising acid?

[2]

(ii) Kai measures the 25 cm^3 of milk of magnesia using a beaker.

What could he do to measure the volume **more** accurately?

Tick (✓) **one** box.

Use a volumetric pipette.

Use a conical flask.

Use a large measuring cylinder.

Use a gas syringe.

[1]

Total Marks for Question Set 8: 4

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