

GCSE Chemistry A (Gateway Science)

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

Question Set 23

- 1 Magnesium is an element. It is solid at room temperature.
 - (a) (i) Solid magnesium cannot be compressed.
 Why? [1]
 (ii) Solid magnesium cannot flow, but liquid magnesium can flow.
 Explain why. [3]
 - (iii) Magnesium gas completely fills any container it is put in.Explain why.
 - (b) Magnesium reacts with water. Magnesium hydroxide, Mg(OH)₂, and hydrogen, H₂, are made.
 Write a balanced symbol equation for this reaction.
 - (c) Magnesium nitrate has the formula $Mg(NO_3)_2$.

Calculate the relative formula mass of magnesium nitrate.

Answer =[1]

Total Marks for Question Set 23: 9



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