



1 Give the formula of the following ions.

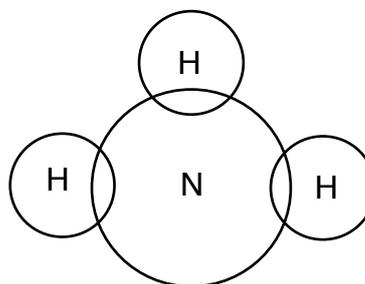
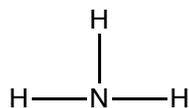
potassium carbonate cobalt(III)

2 Give the formula of the following ionic compounds.

magnesium nitrate aluminium bromide

lithium oxide iron(II) hydroxide

3 The stick diagram of ammonia, NH_3 , is shown. Complete the dot-cross diagram.



4 Tetrafluoromethane (CF_4) is a molecular substance with a boiling point of -128°C .

a Draw a stick diagram for a molecule of CF_4

b Explain why CF_4 has a low boiling point.
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