

AS Level Chemistry A
H032/01 Breadth in chemistry

Question Set 20

1. This question is about halogens and halides.

(a) The boiling points of the halogens are shown in the table.

Halogen	Boiling point /K
fluorine	85
chlorine	239
bromine	332
iodine	457
astatine	503

Explain the trend in boiling points of the halogens.

[3]

(b) You are supplied with a sample of ammonium bromide.

Describe simple tests that would identify the cation and anion present in ammonium bromide.

Include reagents, expected observations and relevant equations.

[5]

Total Marks for Question Set 20: 8

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