

11. Group 17

11.1 Physical properties of the Group 17 elements

Paper 2

Question Paper

- 1 (a)** The elements of Group 17 are called halogens.

Complete Table 1.1.

Table 1.1

halogen	colour at 293 K
chlorine	
bromine	
iodine	

[1]

- (b)** State the trend in volatility of the halogens chlorine, bromine and iodine. Explain your answer.

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.....
..... [3]

- 2** Iodine is used in many inorganic and organic reactions.

- (a) (i)** State and explain the trend in volatility of the halogens, from chlorine to iodine.

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..... [2]

3 Group 17 elements are commonly referred to as the halogens.

(a) State and explain the trend in volatility of chlorine, bromine and iodine down the group.

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..... [3]

Hydrogen gas reacts with the different halogens under different conditions.

4 (b) The halogens chlorine, bromine and iodine are all volatile elements.

State and explain the trend in volatility down Group 17.

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..... [3]