

Group 7, the halogens – AS 2022 Chemistry P1

1. June/2022/Paper_7404/1/No.16

Which is a correct trend down Group 7 from fluorine to iodine?

[1 mark]

- A** The boiling point of the element decreases.
- B** The oxidising ability of the element decreases.
- C** The electronegativity of the atom increases.
- D** The first ionisation energy of the atom increases.

2. June/2022/Paper_7404/1/No.18

Which statement is correct?

[1 mark]

- A** Chloride ions reduce concentrated sulfuric acid to form sulfur dioxide.
- B** Bromide ions reduce concentrated sulfuric acid to form sulfur.
- C** Bromide ions reduce iodine to form iodide ions.
- D** Iodide ions reduce chlorine to form chloride ions.

3. June/2022/Paper_7404/1/No.21

Which species is **not** a possible product of the reactions between chlorine and water?**[1 mark]**

- A** Cl^-
- B** ClO^-
- C** O_2
- D** OH^-