

## Unit 11: Group 17

### Subunit 11.1: Physical properties of the Group 17 elements

#### *Topical Question No: 1*

**16** Some uses of chlorine and bromine are given.

Which is a use of bromine?

- A** making bleaches for textiles and the paper industry
- B** making CFCs
- C** making flame retardants and fire extinguishers
- D** making the polymer PVC

#### *Topical Question No: 2*

**16** The volatility of the Group 17 elements, chlorine, bromine and iodine, decreases down the group.

What is responsible for this?

- A** bond length in the halogen molecule
- B** bond strength in the halogen molecule
- C** electronegativity of the halogen
- D** number of electrons in the halogen molecule

#### *Topical Question No: 3*

**18** What trend is observed on descending Group VII?

- A** The colours of the elements become lighter.
- B** The elements become more volatile.
- C** The hydrides of the elements become more thermally stable.
- D** The reactions of the elements with hydrogen become less vigorous.

## Answer Key

1. Error
2. Error
3. Error