

THE HALOGENS FAMILY TASKS

1. Read the text “The Halogens Family” and answer the questions:

Why are halogens found only in the form of ions or compounds?

Do all halogens react with hydrogen?

What sort of compounds do halogens form when combined with metals?

Which halogen is used for treating domestic water supplies and swimming pool water? What does it do?

2. Read the text “The Halogens Family” again and look at the periodic table. Complete the table below.

Atomic number	Element	Symbol	state, colour at room temperature
9	Fluorine	F	pale yellow gas
		Cl	
35			
53		I	
85	Astatine		

3. Look at the definitions (refer to the Word list) of fluorine, chlorine, bromine, iodine and astatine. What other qualities not mentioned in the text have you noticed in the definitions?

Fluorine: _____

Chlorine: _____

Bromine: _____

Iodine: _____

Astatine: _____

4. Choose the word from the box and complete the text:

negative, purple, gases, diatomic, green, VII, bromine, red,
poor, iodine, non-metals, highly, fluorine, solid

The Group _____ elements are _____ and called the Halogens. The first two, _____ and chlorine, are _____, the third, _____, is a liquid, and the 4th, iodine, is a _____. Chlorine is a _____ gas, bromine is a dark _____ liquid and _____ is a dark grey solid. When heated, iodine forms a _____ vapour. The halogens are _____ conductors of heat and electricity even when solid or liquid. Halogens’ molecules are _____. They tend to form _____ ions and are _____ reactive.