

Trends in Groups – The Halogens

General Properties

Halides	Diatomic	Reactive	Similarities
Poisonous	Negative	Single	

(Complete the following paragraph by using some words above)

Halogens or Group VII elements are the most _____ non-metals in of the Periodic Table. They show clear _____ between the elements of the group. They are all _____ and have a similar strong smell. They can be found as _____ molecules in our nature (e.g. Cl₂, Br₂ and I₂). When they react with another elements, they will form _____ e.g. chlorides, bromides and iodides. They all form _____ ions carrying _____ charge.

Chemical Properties and Reactivity of Halogens

Properties	Fluorine	Chlorine	Bromine	Iodine
Colour of gas				
State (solid/liquid/gas)				
The diatomic molecules				
Reaction with iron wool				
Reaction with charcoal				
Reaction with hydrogen				
Reaction with aluminium				

Trends in Halogen Group

(Please complete the following sentences by using **increase** or **decrease**.)

Based on the video and the resource from coursebook, we can conclude that:

- Melting points and boiling points of halogens _____ as we go down the group.
- The elements change from gases to solids as the atomic number _____.
- The reactivity of halogens _____ as we go down the group.

::::: Good luck :::::

Group Members:

- 1.
- 2.

Class: