

# ATOMIC ENERGY CENTRAL SCHOOL-3, TARAPUR

## WORK SHEET

UNIT- p-BLOCK ELEMENTS

CHAPTER : 17 –GROUP ELEMENTS

Answer the following questions :

1. Why fluorine shows anomalous behavior than other members of the group?
2. Name the two poisonous gases obtained by chlorine.
3. In which compound fluorine shows +1 oxidation state?
4. Bleaching of flowers by chlorine is permanent while that by sulphur dioxide is temporary. Explain.
5. Why metal fluorides are generally ionic but metal chlorides are covalent in nature?
6. Bond dissociation energy of  $F_2$  is less than  $Cl_2$ . Explain
7. Arrange  $HClO_4$ ,  $HClO_3$ ,  $HClO_2$ ,  $HClO$  in order of (i) acidic strength (ii) oxidizing power.
8. Fluorine is strongest oxidizing agent why?
9. What are interhalogen compounds?
10. Give example of interhalogen compound has pentagonal bipyramidal structure.

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