***Sincerity, Nobility and Service***

***WORKSHEET NO.6***

**GRADE: XII DATE: 19.09.19**

**SUBJECT: CHEMISTRY TOPIC: p-BLOCK ELEMENTS**

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1. **Explain why inspite of nearly same electro negativity oxygen forms hydrogen bonding, while chlorine does not.**
2. **Explain why fluorine forms only one oxoacid HOF.**
3. **Write the reaction of F2 and Cl2 with H2O.**
4. **IF7 exists but BrF7 does not exist. Why?**
5. **Molten ICl3 has high electrical conductivity. Why?**
6. **I3- is known but F3- is not known. Why?**
7. **Bond enthalpy of fluorine is lower than that of chlorine. Why?**
8. **Why are elements of group 18 known as ‘noble gas’?**
9. **Does the hydrolysis of XeF6 lead to redox reaction?**
10. **Out of noble gases, only Xenon is known to form chemical compounds. Why?**

