



INDIAN SCHOOL NIZWA - WORKSHEET

CHEMISTRY

CH: 6 P BLOCK ELEMENTS

Name: _____

Date: _____

Class: XII Sec: ____

- I**
- Answer the following**
1. Why are the two S-O bonds in SO_2 molecule of equal length?
 2. O_2 and F_2 both stabilize higher oxidation states of metals but O_2 exceeds F_2 in doing so. Give reason
 3. Structures of Xenon fluorides cannot be explained by valence bond approach.
 4. Helium is used in diving equipments. Why?
 5. F_2 is more reactive than ClF_3 but ClF_3 is more reactive than Cl_2 . Why?
 6. Decomposition of ozone molecule is a spontaneous process. Why?
 7. Unlike xenon, no distinct chemical compound of helium is known. Why?
 8. H_2S has lower boiling point than H_2O . Why?
 9. Reducing character decreases from SO_2 to TeO_2 . Why?
 10. HClO_4 is a stronger acid than HClO . Why?
 11. Acidic character increases from HF to HI . Why?
 12. There is large difference between the melting and boiling points of oxygen and sulphur. Why?
 13. Noble gases have very low boiling points. Why?
 14. Arrange the following in increasing order of property indicated, giving reason.
 - i) hydrides of group 17 – acidic strength
 - ii) hydrides of group 16 – reducing character.