

Most Important Orders In Chemistry

1. Melting Point



2. Colour of the flame

Li - Red, Na - Golden, K - violet,
Rb - Red, Cs - Blue, Ca - Brick Red,
Sr - Blood Red, Ba - Apple green

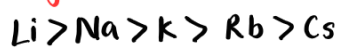
3. Stability of hydrides



4. Basic Nature of hydroxides



5. Hydration Energy



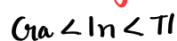
6. Reducing character



7. Stability of +3 Oxidation state



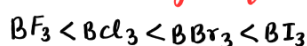
8. Stability of +1 Oxidation state



9. Basic Nature of Oxides and hydroxides



10. Relative strength of Lewis Acid



11. Ionisation Energy



12. Reactivity



13. Metallic character



14. Acidic Character of the Oxides



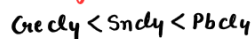
15. Reducing nature of hydrides



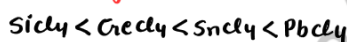
16. Thermal stability of tetrahalides



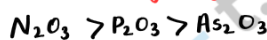
17. Oxidising character of M^{+4} Species



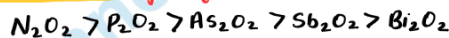
18. Ease of hydrolysis of tetrahalides



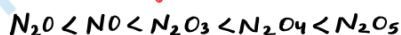
19. Acidic strength of trioxides



20. Acidic strength of pentoxides

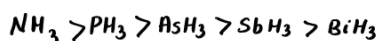


21. Acidic strength of oxides of Nitrogen

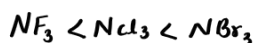


22. Basic nature / bond angle / thermal stability

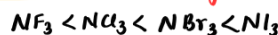
and dipole moment of hydrides



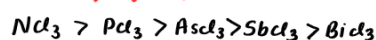
23. Stability of trihalides of Nitrogen



24. Lewis base strength



25. Ease of hydrolysis of trihalides



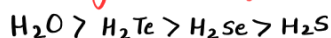
26. Lewis acid strength of trihalides of P, As and Sb



27. Lewis acid strength among phosphorus trihalides



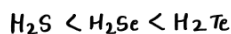
28. Melting and Boiling point of hydrides



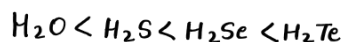
29. Volatility of hydrides



30. Reducing nature of hydrides

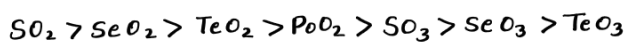


31. Covalent character of hydrides

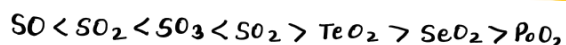


32. The acidic character of oxides

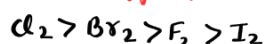
(elements in same oxidation state)



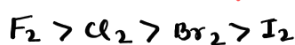
33. Acidic character of oxide of a particular element (e.g. S)



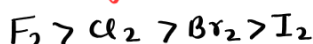
34. Bond energy of halogens



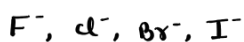
35. Solubility of halogen in water



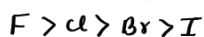
36. Oxidising Power



37. Enthalpy of hydration of X ion



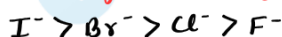
38. Reactivity of halogens



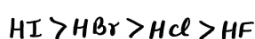
39. Ionic character of M-X bond in halides



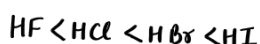
40. Reducing character of X ion



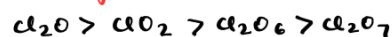
41. Acidic strength of halogen acids



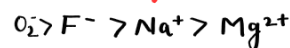
42. Reducing property of halogen halides



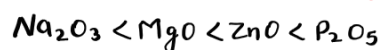
43. Oxidising power of oxides of chlorine



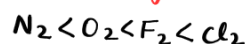
44. Decreasing ionic size



45. Increasing acidic property



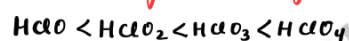
46. Increasing bond length



47. Increasing size



48. Increasing acid strength



49. Increasing oxidation number of iodine



50. Increasing thermal stability

