

Halogens

Sr	Questions	Answers Choice
1	Bd strength in halogens generally	A. Increases down the group B. Decreases down the group C. First increases, then decreases D. Remains constant
2	Teflon is a polymer of	A. Cl_2 B. $\text{CF}_2 = \text{CF}_2$ C. CCl_4 D. $\text{CH}_2 = \text{CH}_2$
3	fluorine is used in.	A. toothpaste B. Water purification C. Bleaching powder D. Fertilizer
4	when aqueous silver nitrate is added to a solution containing bromide ions. a cream precipitate forms, What is the solubility of the this precipitate in aqueous ammonia solution.	A. soluble in dilute ammonia solution B. Partially soluble in dilute ammonia solution C. Insoluble in dilute ammonia solution D. Soluble only upon heating with ammonia
5	Which halide does not react with AgNO_3	A. F^- B. I^- C. Cl^- D. Br^-
6	Which halide does not form ppt with Ag^+	A. Cl^- B. Br^- C. I^- D. F^-
7	The Product of halogen and hydrogen is.	A. Alkyl halide B. Hydrogen peroxide C. Hydrogen halide D. Haloalkane
8	The standard reduction potential of fluorine.	A. +2.87 V B. +1.07 V C. + 1.36 V D. +0.54 V
9	the active species that Kill bacteria are.	A. O_2 and O_3 B. HClO and ClO^- C. Cl_2 AND Cl^- D. NO_2 and SO_2
10	The weakest halogen -halogen bond is in	A. F_2 B. Br_2 C. Cl_2 D. I_2
11	Which force governs the volatility trend in halogens.	A. Dipole dipole B. Hydrogen bonding C. Instantaneous dipole induced dipole D. Ionic bonding
12	Chlorine is prepared in lab by	A. Heating NaCl B. Heating KMnO_4 C. Reacting MnO_2 with conc. HCl D. Dehydration of HCl
13	Which halogen reacts explosively with hydrogen even in the dark	A. BF_2 B. Cl_2 C. Br_2 D. I_2
14	Which of the following halogens can displace all others from their salts.	A. Cl_2 B. I_2 C. Br_2 D. F_2

15	Reaction of NaCl and conc. H ₂ SO ₄	A. Yellow ppt B. Steamy white HCl Fumes C. Violet vapor D. Br ₂ Fumes
16	Why are halogens diatomic in nature	A. To complete their octet B. To share lone pairs C. To reduce size D. To lose electrons
17	Which halogen has the highest boiling point.	A. Fluorine B. Chlorine C. Iodine D. Bromine
18	Which halide ion is the strongest reducing agent	A. Cl B. F ⁻ C. I ⁻ D. Br
19	Chlorine disinfects by forming.	A. HCl only B. HClO and ClO ⁻ C. NaOCl D. Cl ₂ gas
20	The bond energy of Cl ₂ is	A. 243 kJ/mol B. 156 kJ/mol C. 193 kJ/mol D. 151 kJ/mol