

ECAT Chemistry Chapter 16 The Halogens and The Noble Gases Online Test

Sr	Questions	Answers Choice
1	An element that has a high ionization energy and tends to be chemically inactive would most likely to be:	A. an alkali metal B. a transition element C. a noble gas D. a halogen
2	Hydrogen bond is the strongest between the molecules of:	A. HF B. HCl C. HBr D. HI
3	Chlorine heptoxide reacts with water to form:	A. Hypochlorous acid B. Chloric acid C. Perchloric acid D. Chlorine and oxygen
4	Which of the following hydrogen halide is the weakest acid in solution?	A. HF B. HBr C. HI D. HCl
5	Halogens are called	A. Salt former B. Light bearing C. Copper forming D. none of these
6	Which is used in bacterial lamps	A. He B. Ne C. Ar D. Kr
7	Which is used in arc welding and cutting?	A. He B. Ne C. Ar D. Kr
8	Which is used as cooling medium in nuclear reactors?	A. He B. Ne C. Ar D. Kr
9	Which noble gas is used in mixture used for breathing by divers?	A. Cl_2 B. NH_3 C. CO_2 D. He
10	Which has complete valence shell?	A. C B. N C. O D. Ne
11	Which compound of noble gas xenon can be prepared?	A. Oxides B. Fluoride C. Oxyfluorides D. All of these
12	Noble gases are placed in group	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
13	I_2O_5 is used for quantitative study of	A. CO_2 B. NO_2 C. NO D. CO
14	Angle is OF_2 is	A. 120° B. 180° C. 105° D. 102°
15	Gaseous HF exists in the form of	A. Monomers B. Cyclic hexamers C. As single entity D. Both a and b

16	Which has the least oxidizing power?	A. F_2 B. Cl_2 C. Br_2 D. I_2
17	Oxidation state of fluorine is	A. +1 B. +2 C. -1 D. -2
18	Which halogen has maximum Van-der Waal's forces?	A. F_2 B. Cl_2 C. Br_2 D. I_2
19	Smell of halogen is	A. Fruity B. Sweet C. Irritating D. Rotten egg
20	Which halogen has lustrous shining?	A. F_2 B. Cl_2 C. Br_2 D. I_2
21	The only non-metal in liquid form is	A. S B. Cl C. Br D. P
22	Half life period of astatine is	A. 8.1 hrs B. 8.2 Hrs C. 8.3 hrs D. 8.4 hrs
23	The most reactive elements are	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
24	Astatine belongs to group	A. I-A B. II-A C. III-A D. VII-A
25	Which of the following represents the correct electronic configuration of the outermost energy level of an element of zero (VIIA) group in the ground state?	A. s^2p^2 B. s^2p^4 C. s^2p^5 D. s^2p^6
26	An element that has a high ionization energy and tends to be chemically inactive would most likely be	A. an alkali metal B. a transition element C. a noble gas D. a halogen
27	Which halogen occurs naturally in a positive oxidation state?	A. Fluorine B. Chlorine C. Bromine D. Iodine
28	Which is the strongest acid?	A. HClO B. $HClO_2$ C. $HClO_3$ D. $HClO_4$
29	Bleaching powder may be produced by passing chlorine over	A. Calcium carbonate B. Hydrated calcium sulphate C. Anhydrous calcium sulphate D. Calcium hydroxide
30	the anhydride of $HClO_4$ is	A. ClO_3 B. ClO_2 C. Cl_2O_5 D. Cl_2O_7