

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

Sr	Questions	Answers Choice
1	Used in tooth pastes is	A. Fluorides B. Iodides C. halides D. nitrides
2	Corrosion proof parts of machinery are prepared from	A. Iron B. Copper C. Plastic D. Teflon
3	Noble gases in the atmosphere are	A. 4% B. 3% C. 2% D. 1%
4	Bleaching powder is prepared by the reaction of $\text{Cl}_2$ with.	A. Lime stone B. Lime water C. slaked lime D. Lime
5	Which has the least oxidizing power?	A. $\text{F}_{2(g)}$ B. $\text{Cl}_{2(g)}$ C. $\text{Br}_{2(l)}$ D. $\text{I}_{2(s)}$
6	The strongest acid is	A. HF B. HCl C. HBr D. HI
7	Radioactive element in halogens is	A. Astatine B. bromine C. Iodine D. Fluorine
8	The compound with cyclic hexamer is	A. HF B. HCl C. HBr D. HI
9	Which halogen has lustrous shining?	A. $\text{F}_{2(g)}$ B. $\text{Cl}_{2(g)}$ C. $\text{Br}_{2(l)}$ D. $\text{I}_{2(s)}$
10	Halogens are called.	A. salt former B. Light bearing C. copper forming D. None of these
11	The available chlorine is bleaching power is	A. 25-30% B. 30-35% C. 35-40% D. 40-45%
12	Angle is $\text{OF}_2$ is	A. $120^\circ$ B. $180^\circ$ C. $105^\circ$ D. $102^\circ$
13	Which has complete valence shell?	A. C B. N C. O D. Ne
14	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. $s^2p^6$
15	Colour of Iodine is	A. Pale yellow B. Greenish yellow C. Red brown D. Greyish black

16	Second most element in the universe is	A. He B. Ne C. Ar D. Kr
17	Hydrogen bond is the strongest between the molecules of	A. HF B. HCl C. HBr D. HI
18	Astatine belongs to group:	A. I-A B. II-A C. III-A D. VII-A
19	Which is used in arc welding and cutting?	A. He B. Ne C. Ar D. Kr
20	Colour of fluorine gas is	A. Pale yellow B. Greenish yellow C. Red brown D. greyish black
21	Which halogen has maximum Van-der Waal's forces?	A. $F_2$ B. $Cl_2$ C. $Br_2$ D. $I_2$
22	Which halogen will react spontaneously with Au(s) to produce $Au^{3+}$ ?	A. $Br_2$ B. $F_2$ C. $I_2$ D. $Cl_2$
23	the anhydride of $HClO_4$ is	A. $ClO_3$ B. $ClO_2$ C. $Cl_2O_5$ D. $Cl_2O_7$
24	The most reactive elements are:	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII -A
25	Which compound of noble gas xenon can be prepared?	A. Oxides B. Fluoride C. Oxyfluorides D. All of these
26	The most reactive elements are	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
27	The noble gases are	A. Mono atomic B. Diatomic C. Polyatomic D. All
28	Which halogen occurs naturally in a positive oxidation state?	A. Fluorine B. Chlorine C. Bromine D. Iodine
29	Chlorine heptoxide reacts with water to form:	A. Hypochlorous acid B. Chloric acid C. Perchloric acid D. Chlorine and oxygen
30	Smell of halogen is	A. Fruity B. Sweet C. Irritating D. Rotten egg
31	Non sticking coating in cooking utensils is done by	A. Iron B. Copper C. Plastic D. Teflon
32	Which is the strongest acid?	A. $HClO$ B. $HClO_2$ C. $HClO_3$ D. $HClO_4$
33	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

		<p>C. a noble gas</p> <p>D. a halogen</p>
34	Noble gases are placed in group	<p>A. Group IV-A</p> <p>B. Group V-A</p> <p>C. Group VI-A</p> <p>D. Group VII-A</p>
35	Gaseous HF exists in the form of	<p>A. Monomers</p> <p>B. Cyclic hexamers</p> <p>C. As single entity</p> <p>D. Both (a) and (b)</p>
36	Oxidation state of fluorine is	<p>A. +1</p> <p>B. +2</p> <p>C. -1</p> <p>D. -2</p>
37	Hydrogen bond is the strongest between the molecules of:	<p>A. HF</p> <p>B. HCl</p> <p>C. HBr</p> <p>D. HI</p>
38	Colour of bromine is	<p>A. Pale yellow</p> <p>B. Greenish yellow</p> <p>C. Red brown</p> <p>D. Greyish black</p>
39	Which of the following hydrogen halide is the weakest acid in solution?	<p>A. HF</p> <p>B. HBr</p> <p>C. HI</p> <p>D. HCl</p>
40	Colour of chlorine is	<p>A. Pale yellow</p> <p>B. Greenish yellow</p> <p>C. Red brown</p> <p>D. Greyish black</p>
41	Chlorine heptoxide ( $\text{Cl}_2\text{O}_7$ ) reacts with water to form	<p>A. Hypochlorous acid</p> <p>B. chloric acid</p> <p>C. Perchloric acid</p> <p>D. Chlorine and Oxygen</p>
42	An element that has a high ionization energy and tends to be chemically inactive would most likely to be:	<p>A. an alkali metal</p> <p>B. a transition element</p> <p>C. a noble gas</p> <p>D. a halogen</p>
43	Which of the following hydrogen halide is the weakest acid in solution	<p>A. HF</p> <p>B. HBr</p> <p>C. HI</p> <p>D. HCl</p>
44	A property which differs fluorine from the other halogens?	<p>A. Direct combination with inert gases</p> <p>B. Uninegative</p> <p>C. Diatomic</p> <p>D. <math>\text{ns}^2</math> , <math>\text{np}^5</math></p>
45	Which noble gas is used in mixture used for breathing by divers?	<p>A. <math>\text{Cl}_2</math></p> <p>B. <math>\text{NH}_3</math></p> <p>C. <math>\text{CO}_2</math></p> <p>D. He</p>
46	Gaseous HF exists in the form of	<p>A. Monomers</p> <p>B. Cyclic hexamers</p> <p>C. As single entity</p> <p>D. Both a and b</p>
47	Half life period of astatine is	<p>A. 8.1 hrs</p> <p>B. 8.2 Hrs</p> <p>C. 8.3 hrs</p> <p>D. 8.4 hrs</p>
48	Perchloric acid can be stored in solution form	<p>A. 47%</p> <p>B. 57%</p> <p>C. 67%</p> <p>D. 77%</p>
49	Oxidation state of fluorine is:	<p>A. +1</p> <p>B. +2</p> <p>C. -1</p> <p>D. -2</p>
50	Smell of halogens is:	<p>A. Fruity</p> <p>B. Sweet</p> <p>C. Irritating</p> <p>D. Rotten egg</p>
		<p>A. <math>\text{CO}_2</math></p> <p>B. <math>\text{NO}_2</math></p>

51	$I_2O_5$ is used for quantitative study of	B. $NO_2$ C. NO D. CO
52	Astatine belongs to group	A. I-A B. II-A C. III-A D. VII-A
53	Molecule of halogens exist as	A. Monatomic B. Diatomic C. Triatomic D. Polyatomic
54	The strongest hydrogen bond is in	A. HF B. HCl C. HBr D. HI
55	Bleaching powder is agent:	A. Dehydrating B. Oxidizing C. reducing D. all
56	Which is used as cooling medium in nuclear reactors?	A. He B. Ne C. Ar D. Kr
57	Bleaching powder may be produced by passing chlorine over	A. Calcium carbonate B. Hydrated calcium sulphate C. Anhydrous calcium sulphate D. Calcium hydroxide
58	The only non-metal in liquid form is	A. S B. Cl C. Br D. P
59	Which is used in bacterial lamps	A. He B. Ne C. Ar D. Kr
60	Which is present as a result of radioactive decay on earth?	A. He B. Ne C. Ar D. Kr
61	Noble gases are placed group:	A. Group IV-A B. Group V-A C. Group VI-A D. Group VII-A
62	Which is volatile liquid?	A. HF B. HCl C. HBr D. HI
63	Halogens are called	A. Salt former B. Light bearing C. Copper forming D. none of these
64	Half life of most stable isotope of astatine is	A. 8.0 hrs B. 8.1 hrs C. 8.2 hrs D. 8.3 hrs