Yakeen NEET 2.0 2026

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Some Basic Concept of Chemistry

DPP: 1

Q1 In an atom $^{27}_{13}\mathrm{Al}$, number of protons is(a) electron is (b) and neutron is (c).
Hence ratio will be in order $c : b : a$
(A) $13 : 14 : 13$
(B) $13 : 13 : 14$
(C) $14 : 13 : 13$
(D) $14 : 13 : 14$

Q2 A and B are two elements which have same atomic weight and are having atomic number 27 and 30
respectively. If the atomic weight of A is 57 then number of neutrons in B is
(A) 27 (B) 33
(C) 30 (D) 40

Q3 Number of protons, neutrons and electrons in the element $^{231}_{89}\mathrm{X}$ is
(A) $89, 231, 89$
(B) $89, 89, 242$
(C) $89, 142, 89$
(D) $89, 71, 89$

Q4 The nitrogen atom has 7 protons and 7 electrons, the nitride ion $\left(\mathrm{N}^{3-}\right)$ will have:
(A) 7 protons and 10 electrons
(B) 4 protons and 7 electrons
(C) 4 protons and 10 electrons
(D) 10 protons and 7 electrons

Q5 Chlorine atom differs from chloride ion in the number of:
(A) Proton only
(B) Neutron only
(C) Electrons only
(D) Protons and electrons

Q6 Number of neutrons in 1 molecule of CO_2 are
(A) 22 (B) 20
(C) 12 (D) 16

Q7 Sum of proton, electron and neutron in 1 molecule of $\mathrm{H}_2\ \mathrm{S}_2\mathrm{O}_8$
(A) 290 (B) 292
(C) 294 (D) 296

Q8 In the nucleus of $_{20}\mathrm{Ca}^{40}$ there are
(A) 40 protons and 20 electrons
(B) 20 protons and 40 electrons
(C) 20 protons and 20 neutrons
(D) 20 protons and 40 neutrons

Q9 Sodium atom differs from sodium ion in the number of
(A) Electron
(B) Protons
(C) Neutrons
(D) Does not differ

Q10 The number of electrons in $\left[_{19}\ \mathrm{K}^{40}\right]$ is
(A) 19 (B) 20
(C) 18 (D) 40

Q11 Name the particles which make up matter.
(A) Non-metals (B) Metals
(C) Metalloids (D) Atoms

Q12 An atom which has lost one electron would be
(A) Negatively charged
(B) Positively charged
(C) Electrically neutral
(D) Carry double positive charge

Q13 Which of the following species has more electrons than neutrons?
(A) C
(B) F^-
(C) O^{2-}
(D) Al^{3+}

Q14 Nitrogen atom has an atomic number of 7 and oxygen has an atomic number 8 . The total number of electrons in a nitrate ion (NO_3^-)will be

(A) 8 (B) 16

(C) 32 (D) 64

Q15 The atomic number of an element represents

(A) Number of neutrons in the nucleus

(B) Number of protons in the nucleus

(C) Atomic weight of element

(D) Valency of element

Answer Key

Q1	(C)
Q2	(A)
Q3	(C)
Q4	(A)
Q5	(C)
Q6	(A)
Q7	(B)
Q8	(C)
Q9	(A)
Q10	(A)
Q11	(D)
Q12	(B)
Q13	(C)
Q14	(C)
Q15	(B)