

CLASSIFICATION OF ELEMENTS, CHEMICAL BONDING, PERIODICITY IN PROPERTIES & PHYSICAL TRANSFORMATION BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams
Created By [Careericons](#) Team

Q1. Which of the following is an example of chemical change?

- a) Softening of vegetable when cooked
 - b) Wet soil lamp, when dried, get fragile
 - c) Dispersion of white light into the light of 7 colours when passed through a prism
 - d) Dissolving of salt in water
-

Q2. The element which has least tendency to lose electron is

- a) Li
 - b) He
 - c) H
 - d) Na
-

Q3. Match List -I with List -II:

List-I	List-II
A. Evaporation	1. Solid
B. Sponge	2. Diffusion
C. Spreading	3. Liquid into vapours virus on sneezing above room temperature
D. Fusion	4. Liquid into vapours
E. Boiling	5. Melting

Select the correct answer using the codes given below the list:

- a) A – 1; B – 4; C – 2; D – 5; E – 3

- b) A – 4; B – 2; C – 1; D – 5; E – 3
c) A – 4; B – 1; C – 2; D – 5; E – 3
d) A – 4; B – 1; C – 2; D – 3; E – 5
-

Q4. On the basis of following features identify correct option

- Gaps were left for undiscovered elements
 - No correct position of hydrogen
 - The isotopes of same element will be given different position
- a) Modern periodic table
b) Newland's arrangement of elements
c) Mendeleev's periodic table
d) Both (a) and (b)

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Q5. Which of the following is not isoelectronic with O^{2-} ?

- a) Na^+
b) F^-
c) N^{3-}
d) Ti^+
-

Q6. Which of the following is not a representative element?

- a) K
b) Ba
c) Fe
d) N
-

Q7. If the two members of a Dobereiner triad are phosphorus and antimony, the third member of this triad is –

- a) sulphur
 - b) iodine
 - c) arsenic
 - d) calcium
-

Q8. What form of energy is produced in the decomposition of water?

- a) Heat
 - b) Sound
 - c) Light
 - d) Acid
-

Q9. The atomic number of an element tells you the number of in a neutral atom.

- a) neutrons
 - b) electrons
 - c) positrons
 - d) All of these
-

Q10. What are the types of bonds present in $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$?

- a) Electrovalent and coordinate covalent
 - b) Electrovalent, covalent, coordinate covalent and hydrogen bonds
 - c) Electrovalent and covalent
 - d) Covalent and coordinate covalent
-

Q11. Which of the following statement is not true about noble gases?

- a) They exist in atomic form
 - b) They are radioactive in nature
 - c) They are non-metallic in nature
 - d) Xenon is the most reactive among them
-

Q12. An example of physical change

- a) Burning of candle
- b) Making of curd from milk
- c) Blackening of silverware
- d) Dissolving of sugar in water

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Q13. If a limestone piece is dipped in water, a bubble evolves. The bubbling is due to

- a) oxygen
 - b) water vapour
 - c) hydrogen
 - d) carbon dioxide
-

Q14. An ionic compound when dissolved in water has produced $m A^{n-}$, $n B^{m-}$ ions. What is the formula of the compound ?

- a) $A_n B_m$
 - b) $A_m B_m$
 - c) $A_m B_n$
 - d) $A_n B_n$
-

Q15. As you move down the group, the alkali metals become

- a) hotter
- b) more reactive
- c) brighter
- d) less reactive

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Answers to the above questions :

Q1. Answer: (a)

Q2. Answer: (b)

He is an inert gas.

Q3. Answer: (c)

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Q4. Answer: (c)

Q5. Answer: (d)

Q6. Answer: (c)

Fe is a transition element.

Q7. Answer: (c)

Q8. Answer: (a)

Q9. Answer: (b)

Q10. Answer: (b)

Q11. Answer: (b)

Q12. Answer: (d)

Q13. Answer: (d)

Q14. Answer: (c)

Q15. Answer: (b)

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