

NATURE OF MATTER AND COMPOSITION 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. At higher altitudes

- a) no change in boiling point
 - b) boiling point of a liquid increases
 - c) boiling point of a liquid decreases
 - d) melting point of solid increases
-

Q2. Who among the following is called 'The father of modern chemistry'?

- a) Proust
 - b) Michael Faraday
 - c) Lavoisier
 - d) Linus Pauling
-

Q3. In which one of the following situations a chemical reaction does not occur?

- a) Sodium is placed in water
 - b) Common salt is exposed to air
 - c) Coal is burnt in air
 - d) Iron is kept in moist air
-

Q4. Which one of the following is used in the preparation of antiseptic solution?

- a) Iodine chloride
- b) Potassium nitrate
- c) Iodine

d) Potassium chloride

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Q5. Which one among the following statements regarding the properties of mixtures and compounds is not correct?

- a) The constituents of a mixture can be separated by physical methods but those of a compound cannot be separated by physical methods
- b) A mixture shows the properties of its constituents but the properties of a compound are entirely different from its constituents
- c) A mixture may be homogeneous or heterogeneous but a compound is a homogeneous substance
- d) Energy is either absorbed or evolved during the preparation of a mixture but not in the preparation of a compound

Q6. When a gas is compressed keeping temperature constant, it results in

- a) decrease in speed of gaseous molecules
- b) increase in speed of gaseous molecules
- c) increase in collision among gaseous molecules
- d) decrease in collision among gaseous molecules.

Q7. Blue vitriol is

- a) Iron sulphate
- b) Copper sulphate
- c) Calcium sulphate
- d) Sodium sulphate

Q8. Amalgam is a solution of

- a) liquid in solid
 - b) solid in solid
 - c) solid in liquid
 - d) liquid in liquid
-

Q9. What is the term used to denote the critical temperature at which the air becomes saturated with vapour and below which the condensation is likely to begin ?

- a) Dew point
 - b) Condensation point
 - c) Evaporation point
 - d) Point of critical temperature
-

Q10. Camphor can be purified by

- a) sedimentation
 - b) filtration
 - c) distillation
 - d) sublimation
-

Q11. Which one of the following is correct? Butter is

- a) a molecular solid
 - b) a supercooled oil
 - c) an emulsion
 - d) None of these
-

Q12. Select the one that is a chemical change.

- a) Cooking of food
- b) Freezing of water

- c) Melting of wax
- d) None of these

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Q13. The oxide of which of the following elements is used as a coolant?

- a) Carbon
- b) Silicon
- c) Nitrogen
- d) Phosphorus

Q14. Which one among the following is not a mixture?

- a) Brass
- b) Graphite
- c) Glass
- d) Steel

Q15. A sample contains two substances and has uniform properties. The sample is

- a) an element
- b) a heterogeneous mixture
- c) a compound
- d) a homogeneous mixture

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Answers to the above questions :

Q1. Answer: (c)

Q2. Answer: (c)

Q3. Answer: (b)

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Q4. Answer: (c)

Q5. Answer: (d)

Q6. Answer: (d)

Q7. Answer: (b)

Q8. Answer: (a)

Q9. Answer: (a)

Q10. Answer: (d)

Camphor being a sublime substance can be purified by sublimation.

Q11. Answer: (d)

Q12. Answer: (a)

Chemical changes are irreversible in nature.

Q13. Answer: (a)

Q14. Answer: (b)

Q15. Answer: (d)

Homogeneous mixture is a solution having uniform composition and properties throughout.

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