

NATURE OF MATTER AND COMPOSITION BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

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Created By [Careericons](#) Team

Q1. Filtration can be used to separate

- a) liquids from liquids
 - b) liquids from solids
 - c) solids from solids
 - d) liquids from gases
-

Q2. Solubility is a good separation technique for

- a) different salts
 - b) noble gases
 - c) pure metals
 - d) metallic alloys
-

Q3. The phenomenon of radioactivity was invented by

- a) Henry Bacquerel
 - b) Maril Curie
 - c) Pierre Curie
 - d) J.J Thompson
-

Q4. Melting points can separate materials because

- a) heat causes molecules to disintegrate
- b) molecules vibrate rapidly when heated
- c) substances melt at different temperatures

d) many substances fuse at the melting point

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Q5. Boyle's law states that the

- a) volume is directly proportional to the temperature at constant pressure
- b) pressure of a gas is directly proportional to the temperature at constant volume
- c) pressure of a gas is inversely proportional the volume at constant temperature
- d) None of the above

Q6. Which chemical was an important symbol in our freedom struggle ?

- a) Medicine
- b) Glucose
- c) Fertilizer
- d) Sodium chloride

Q7. Nail polish remover contains

- a) formaldehyde
- b) acetone
- c) benzene
- d) acetic acid

Q8. The chemical formula for 'laughing gas' is

- a) N_2O (Nitrogen dioxide)
- b) N_2O (Nitrous oxide)
- c) NO (Nitric oxide)

d) N_2O_5 (Nitrogen pentoxide)

Q9. What type of mixture is smoke?

- a) Liquid mixed with a gas
 - b) Solid mixed with a gas
 - c) Gas mixed with a gas
 - d) Gas mixed with a liquid and a solid
-

Q10. Select the one that is not a chemical change ?

- a) Dissolution of oxygen in water.
 - b) Dissolution of carbon dioxide in water.
 - c) Dissolution of ammonia in water.
 - d) None of these is a chemical change.
-

Q11. The process used to separate oil and water is

- a) separating funnel
 - b) sublimation
 - c) distillation
 - d) chromatography
-

Q12. The latest discovered state of matter is

- a) plasma
- b) solid
- c) Bose-Einstein condensation
- d) liquid

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Q13. Wooden pencil used for writing contains

- a) Salt
- b) Graphite
- c) Lead
- d) Cane sugar

Q14. Brass is an example of

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

Q15. When dispersed phase is liquid and dispersion medium is gas then the colloidal system is called

- a) jellies
- b) clouds
- c) smoke
- d) emulsions

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Answers to the above questions :

Q1. Answer: (b)

Q2. Answer: (a)

Different salts have different solubility in a particular solvent. Thus on this basis mixture of different salts can be separated.

Q3. Answer: (a)

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Q4. Answer: (c)

Different pure solid substances melts at a different temperatures.

Q5. Answer: (c)

Q6. Answer: (c)

Q7. Answer: (b)

Q8. Answer: (b)

Q9. Answer: (d)

Q10. Answer: (a)

Oxygen is insoluble in water.

Q11. Answer: (a)

As oil being less denser than water it forms upper layer. Thus mixture of oil and water can be separated by using separating funnel.

Q12. Answer: (a)

Q13. Answer: (b)

Q14. Answer: (a)

Brass is an alloy which is a homogeneous substance.

Q15. Answer: (b)

Clouds consists of fine droplets of water suspended in air

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