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

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Q1.	Filtration	can be	used to	separate
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- 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\$O_2\$ (Nitrogen dioxide)
- b) \$N_2\$O(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				

d) Gas mixed with a liquid and a solid

c) Gas mixed with a gas

- 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

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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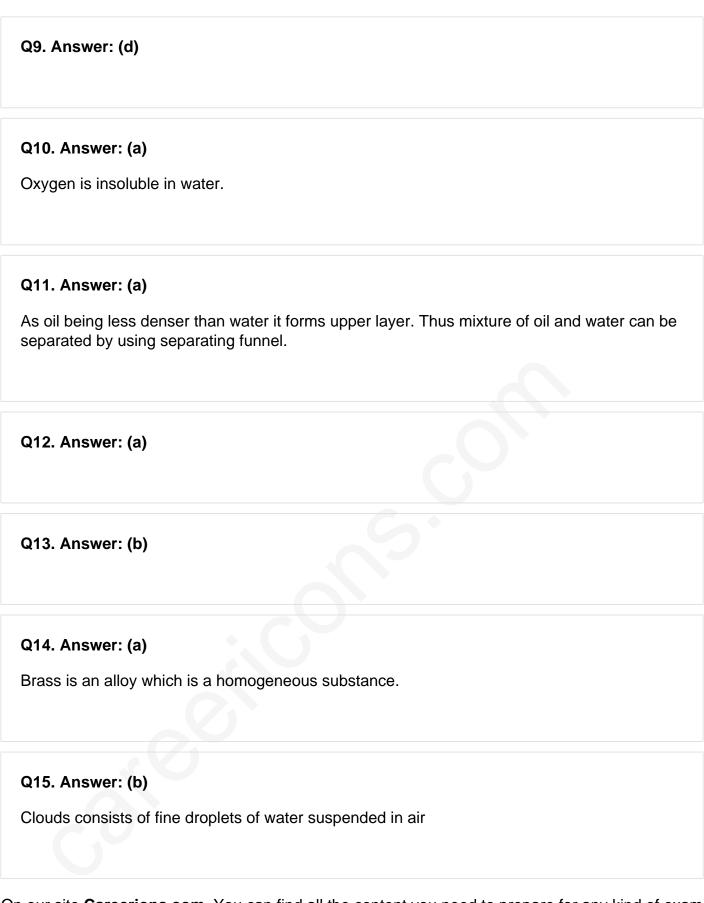
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Q4. Answer: (c) Different pure solid substances melts at a different temperatures.	
Q5. Answer: (c)	
Q6. Answer: (c)	
Q7. Answer: (b)	

Q8. Answer: (b)



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