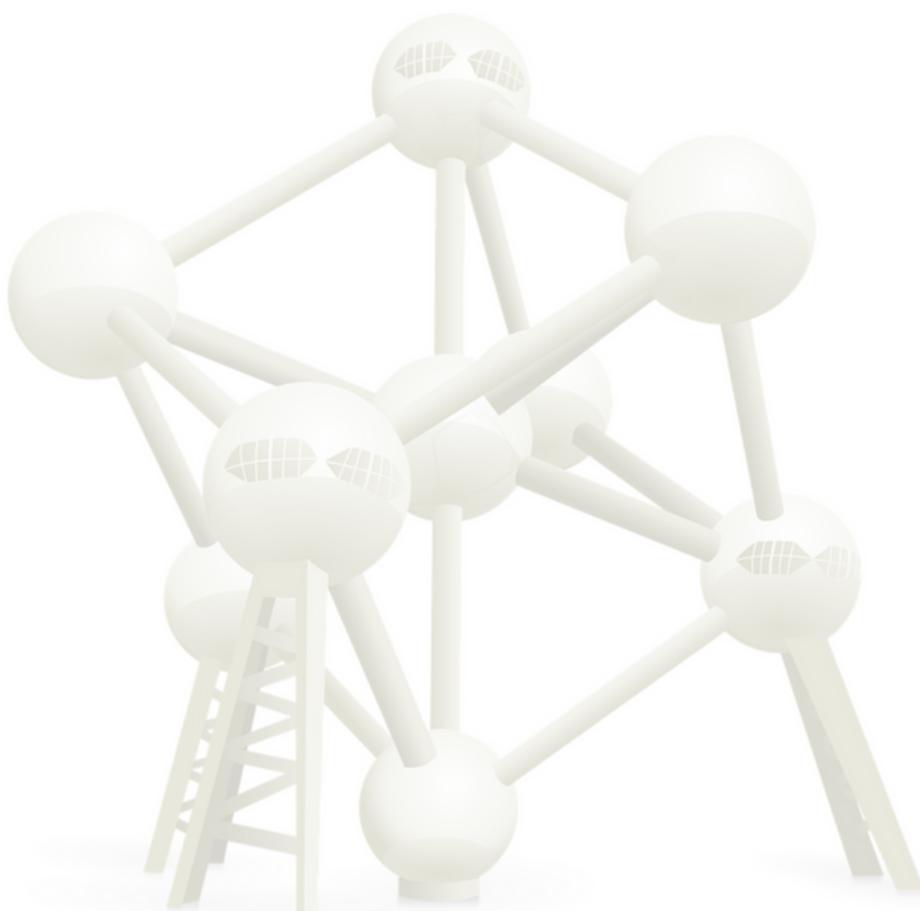


CHEMISTRY

MCQ



Chemistry Q&A – 2nd August 2017:

Q1. Vinegar is an aqueous solution of

- (a) oxalic acid
- (b) citric acid
- (c) hydrochloric acid
- (d) acetic acid

Ans: d

Q2. Which of the following could act as a propellant for rockets ?

- (a) Liquid oxygen + Liquid argon
- (b) Liquid hydrogen + Liquid oxygen
- (c) Liquid nitrogen + Liquid oxygen
- (d) Liquid hydrogen + Liquid nitrogen

Ans: b

Q3. Which one of the following is used as a moderator in the nuclear reactor ?

- (a) Thorium
- (b) Graphite
- (c) Radium
- (d) Ordinary water

Ans: b

Q4. Indane gas is a mixture of

- (a) butane and hydrogen
- (b) butane and oxygen
- (c) butane and propane
- (d) methane and oxygen

Ans: c

Q5. The important metal used with iron to produce stainless steel is

- (a) carbon
- (b) tin
- (c) chromium
- (d) aluminium

Ans: c

Q6. The gas which emits from rice field is

- (a) ethane
- (b) methane
- (c) nitrogen
- (d) All of the above

Ans: b

Q7. Which gas is responsible for the swelling of bread?

- (a) Oxygen
- (b) Carbon monoxide

(c) Carbon dioxide

(d) Ammonia

Ans: c

Q8. Which one among the following is not a mixture?

(a) Graphite

(b) Glass

(c) Brass

(d) Steel

Ans: a

Q9. Which one of the following is responsible for blue baby syndrome?

(a) Fluoride

(b) Nitrate

(c) Arsenic

(d) Lead

Ans: b

Q10. Kerosene is a mixture of

(a) aromatic hydrocarbons

(b) aliphatic hydrocarbons

(c) saturated hydrocarbons

(d) alicyclic hydrocarbons

Ans: b

Q11. Candles contains a mixture of

(a) Bees wax and paraffin wax

(b) Bees wax and stearic acid

(c) Paraffin wax and stearic acid

(d) Higher fatty acid

Ans: c

Q12. Which one of the following elements is a metalloid ?

(a) P

(b) Al

(c) As

(d) I

Ans: c

Q13. Which one of the following noble gases is not found in the atmosphere?

(a) Argon

(b) Krypton

(c) Radon

(d) Xenon

Ans: c

Q14. Food cans are coated with tin and not with zinc because

- (a) zinc is costlier than tin
- (b) zinc has a higher melting point than tin
- (c) zinc is more reactive than tin
- (d) zinc is less reactive than tin

Ans: c

Q15. Silicon is used in

- (a) solar energy devices
- (b) semiconductors
- (c) transistors
- (d) All of these

Ans: d

Q16. Which one among the following is not a mixture?

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

Ans: a

Q17. Which of the following is not a nitrogenous fertilizer?

- (a) $\text{Ca}(\text{CN})_2$
- (b) CaCN_2
- (c) NH_4NO_3
- (d) Urea

Ans: a

Q18. The metal compound commonly found in Sindhoor or Kumkum is based on

- (a) Tin
- (b) Lead
- (c) Copper
- (d) Zinc

Ans: b

Q19. Which among the following elements (metals) pollutes the air of a city having large number of automobiles?

- (a) Cadmium
- (b) Lead
- (c) Chromium
- (d) Nickel

Ans: b

Q20. In chemical terms, what are alums used for purifying water for drinking purposes ?

- (a) Hydrated chlorides
- (b) Double nitrate
- (c) Double sulphates
- (d) None of these

Ans: c

Q21. Which one is a sublime substance?

- (a) Table salt
- (b) Sugar
- (c) Iodine
- (d) Potassium Iodide

Ans: c

Q22. Carborundum is a compound of

- (a) Ca
- (b) Ge
- (c) Si
- (d) S

Ans: c

Q23. C11 - L - methyl-methionine is used for

- (a) brain tumor and parathyroid imaging
- (b) stomach analysis
- (c) bone imaging
- (d) live imaging

Ans: a

Q24. The number of protons in a negatively charged atom (anion) is

- (a) more than the atomic number of the element
- (b) less than the atomic number of the element
- (c) more than the number of electrons in the atom
- (d) less than the number of electrons in the atom

Ans: d

Q25. pH of human body varies within the range of

- (a) 6.0 to 6.5
- (b) 5.5 to 5.8
- (c) 7.0 to 7.8
- (d) 7.0 to 11.0

Ans: c

Q26. To protect tooth decay we are advised to brush our teeth regularly. The nature of the tooth paste commonly used is

- (a) acidic
- (b) neutral
- (c) basic
- (d) corrosive

Ans: c

Q27. Which one among the following is used as a moderator in nuclear reactors?

- (a) Ozone
- (b) Heavy hydrogen
- (c) Heavy water
- (d) Hydrogen peroxide

Ans: c

Q28. Which among the following is an element?

- (a) Alumina
- (b) Brass
- (c) Graphite
- (d) Silica

Ans: c

Q29. Which one of the following elements exists in liquid state at room temperature?

- (a) Mercury
- (b) Lead
- (c) Sodium
- (d) Calcium

Ans: a

Q30. The metal constituent of chlorophyll is

- (a) Iron
- (b) Potassium
- (c) Manganese
- (d) Magnesium

Ans: d