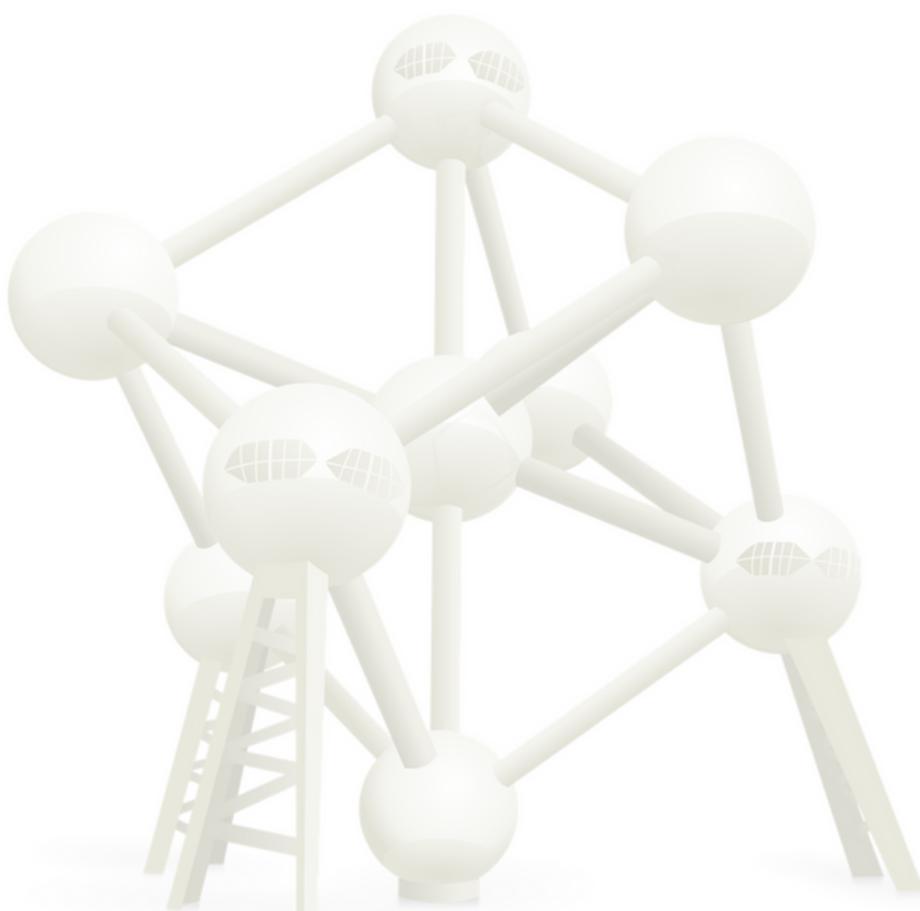


CHEMISTRY

MCQ



Chemistry MCQ:

Q1. In which one of the following situations a chemical reaction does not occur?

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

Ans: a

Q2. Scattering of light takes place in—

- (a) electroplating
- (b) electrolysis
- (c) solution of electrolyte
- (d) colloidal solution

Ans: d

Q3. Which of the following is correctly matched?

- (a) Aluminium-Haematite
- (b) Lead-Galena
- (c) Iron-Bauxite
- (d) Magnesium-Malachite

Ans: b

Q4. 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

Q5. Which one of the following acids is used for etching glass?

- (a) H₂SO₄
- (b) HNO₃
- (c) HF
- (d) HCl

Ans: c

Q6. In cold weather, aquatic animals survive even when water to the top layer of the lake freezes into ice because

- (a) they can breathe in ice
- (b) they have enough of accumulated oxygen inside them
- (c) their body structure is such that they can survive without oxygen.
- (d) water has highest density at 4°C so underneath the top layer of ice there is layer of water

Ans: d

Q7. Discovery of the nucleus of an atom was due to the experiment carried out by—

- (a) Bohr
- (b) Rutherford
- (c) Moseley
- (d) Thomson

Ans: b

Q8. What is iodised table salt?

- (a) An element
- (b) A compound
- (c) A heterogeneous mixture
- (d) A homogeneous mixture

Ans: c

Q9. Which fertilizer is assimilated directly by the plant?

- (a) Super phosphate
- (b) Nitrolim
- (c) Muriate of Potash
- (d) Humus

Ans: d

Q10. Which among the following is an element?

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

Ans: c

Q11. Which one of the following glasses is used in bullet proof screens?

- (a) Soda glass
- (b) Pyrex glass
- (c) Jena glass
- (d) Reinforced glass

Ans: d

Q12. The metal constituent of chlorophyll is

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

Ans: d

Q13. In surgery, metal pins are used for joining together broken bones. These metal pins remain uncorroded in the body. What is the material of these pins?

- (a) Copper
- (b) Iron
- (c) Aluminium
- (d) Titanium

Ans: d

Q14. 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) Condensation point
- (b) Evaporation point
- (c) Dew point
- (d) Point of critical temperature

Ans: c

Q15. Which of the following substances is/are ozone depleting?

Select the correct answer from the codes given below:

1. Chlorofluorocarbons
2. Halons
3. Carbon tetrachloride

Codes:

- (a) 1 only
- (b) 1 and 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3

Ans: d

Q16. 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

Q17. Which of the following chemicals is used in foam fire extinguishers?

- (a) Aluminium sulphate
- (b) Copper sulphate
- (c) Cobalt sulphate
- (d) Nickel sulphate

Ans: a

Q18. Which one of the following elements is used in the manufacture of safety matches?

- (a) Graphite
- (b) Phosphorus
- (c) Silicon
- (d) Sodium

Ans: b

Q19. Which one is not metal?

- (a) Sulphur
- (b) Sugar
- (c) Nitrogen

(d) All of these

Ans: d

Q20. Which of the following is the first metal used by man?

(a) gold

(b) silver

(c) copper

(d) iron

Ans: c

Q21. In isotopes the number of neutrons are—

(a) same

(b) different

(c) both

(d) None of these

Ans: b

Q22. Paraffin wax is

(a) Ester

(b) Alcohol

(c) Unsaturated hydrocarbon

(d) Saturated hydrocarbon

Ans: d

Q23. 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

Q24. Which has maximum calorific value?

(a) Fat

(b) Protein

(c) Carbohydrate

(d) Amino acid

Ans: a

Q25. Mildness of shaving cream is enriched by which one of the following?

(a) Sodium silicate

(b) Free fatty acid

(c) Potassium carbonate

(d) Sodium chloride

Ans: a

Q26. Carborundum is a compound of

(a) Ca

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

Ans: c

Q27. Silicon is used in—

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

Ans: d

Q28. Soap helps in cleaning clothes, because—

- (a) chemical of soap change
- (b) it increases the surface tension of the solution
- (c) it absorbs the dirt
- (d) it lowers the surface tension of the solution

Ans: d

Q29. Which of the following important metal is used with iron to produce stainless steel?

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

Ans: c

Q30. Solder is an alloy of

- (a) tin and lead
- (b) tin and copper
- (c) tin, copper and zinc
- (d) tin, lead and zinc

Ans: a