

**Chemistry Q&A – 25<sup>th</sup> July 2017:**

Q1. A process of very slow regulated cooling is known as—

- (a) Quenching
- (b) Sedimentation
- (c) Annealing
- (d) Diffusion

Ans.(c)

Q2. Alkali metals belong to which block?

- (a) s-block
- (b) p-block
- (c) d-block
- (d) f-block

Ans.(a)

Q3. Corrosion of a metal occurs at the—

- (a) Anode
- (b) Cathode
- (c) Both anode and cathode
- (d) None of the above

Ans.(a)

Q4. The difference between isotopes of an element is due to the presence of a different number of—

- (a) Protons
- (b) Neutrons
- (c) Electrons
- (d) Photons

Ans.(b)

Q5. Which of the following does not belong to the halogen family?

- (a) Chlorine
- (b) Fluorine
- (c) Bromine
- (d) Morphine

Ans.(d)

Q6. The carbon-carbon bond length is shortest in—

- (a) Ethane
- (b) Ethylene
- (c) Benzene
- (d) Acetylene

Ans.(d)

Q7. What is the commercial name for calcium hydride?

- (a) Lime

- (b) Hydrolith
- (c) Slaked lime
- (d) Calgon

Ans.(b)

Q8. Which of the molecular formula of phosphorus?

- (a) P1
- (b) P2
- (c) P3
- (d) P4

Ans.(d)

Q9. A catalyst—

- (a) Alters the velocity of a reaction
- (b) no change in the velocity of a reaction
- (c) Decreases the velocity of a reaction
- (d) Starts a reaction

Ans.(a)

Q10. Which of the following cannot be purified by sublimation?

- (a) Iodine
- (b) Camphor
- (c) Citric acid
- (d) Naphthalene

Ans.(a)

Q11. Oils and fats are obtained from—

- (a) Animal sources
- (b) Vegetable sources
- (c) Synthesis
- (d) Both animal and vegetable sources

Ans.(d)

Q12. A dark purple compound used as an antiseptic and disinfectant is—

- (a) Potassium nitrate
- (b) Sodium thiosulphate
- (c) Potassium permanganate
- (d) Calcium phosphate

Ans.(c)

Q13. Which of the following is widely used an anaesthetic?

- (a) Methane
- (b) Ammonia
- (c) Chlorine
- (d) Chloroform

Ans.(d)

Q14. Permanent hardness of water is due to the presence of—

- (a) Calcium bicarbonate
- (b) Magnesium bicarbonate
- (c) Calcium sulphate
- (d) Sodium bicarbonate

Ans.(c)

Q15. Which of the following is the most commonly used bleaching agent?

- (a) Alcohol
- (b) Carbon dioxide
- (c) Chlorine
- (d) Sodium chloride

Ans.(c)

