

Chapter-12: Chemistry in our Life

- Which acid is present in soft drinks? [All Board-18]
(a) Acetic acid (b) Carbonic acid
(c) Carbolic acid (d) Citric acid **(b)**
- Formula of soda ash is — [All Board-18]
(a) CaO (b) Na_2CO_3
(c) CaCO_3 (d) NaHCO_3 **(b)**
- Which elements are there in industrial grade CaC_2 ? [D.B.-17]
(a) As, N (b) N, P
(c) As, S (d) As, P **(d)**
- To produce detergent which acid is used? [R.B.-17]
(a) HCl (b) HNO_3
(c) H_2SO_4 (d) CH_3COOH **(c)**
- For which causes the more basicity of the soil is controlled? [R.B.-17]
(a) $(\text{NH}_4)_2\text{SO}_4$ (b) AlPO_4
(c) CaSO_4 (d) $(\text{NH}_4)_3\text{FO}_4$ **(a)**
- Which one is heavy metal? [Dj.B.-17]
(a) Cadmium (b) Aluminium
(c) Potassium (d) Iron **(a)**
- Which one is called preservatives? [C.B.-17]
(a) Sodium benzoate (b) Formalin
(c) Sodium Bromide (d) Sodium loryl sulphonate **(a)**
- Benzoic acid is active up to which pH? [C.B.-17]
(a) 4.05 (b) 4.25
(c) 4.50 (d) 5.50 **(c)**
- What is quick lime? [Ctg.B.-17]
(a) Lime stone (b) Calcium oxide
(c) Calcium hydroxide (d) Lemon juice **(b)**
- What type of the reaction by which urea is produced from ammonium cyanate? [S.B.-17]
(a) Polymerization (b) Combustion
(c) Isomerization (d) Addition **(c)**
- Which one is dissolved in water is caused for permanent hardness? [B.B.-17]
(a) NaNO_3 (b) CaSO_4
(c) NaHCO_3 (d) NaOH **(b)**
- In the reaction between edible soda and vinegar— [D.B.-16]
(a) Heat evolve
(b) Only salt and water are produce
(c) Heat remain unchange
(d) Heat absorb **(d)**
- Which one is found as by product during soap production? [D.B.-16]
(a) Glycerine (b) Vineger
(c) Detergent (d) Fatty acid **(a)**
- What is called 6–10% aqueous solution of ethanoic acid? [D.B.-16]
(a) Formaline (b) Rectified spirit
(c) Parafin (d) Vineger **(d)**
- What is called the concentration saturated solution of sodium chloride? [R.B.-16]
(a) Lime water (b) Soda Lime
(c) Soda Ash (d) Brine **(d)**
- What negative charge is created around the molecules of oil and grease? [R.B.-16]
(a) Grease (b) Foam
(c) Ring (d) Solution **(c)**
- Which bi-product is obtain from the electrolysis of edible salt? [R.B.-16]
(a) Na (b) Cl_2
(c) NaOH (d) NaCl **(c)**
- Which one is used as toilet cleaner? [Dj.B.-16]
(a) NaOH (b) NH_3
(c) $\text{Ca}(\text{OH})_2$ (d) $\text{Al}(\text{OH})_3$ **(a)**
- Which one accelerates the enzymatic activities in digestion? [C.B.-16]
(a) H_2O (b) H_2CO_3
(c) NaCl (d) NaOH **(b)**
- Which relieves the indigestion problem? [C.B.-16]
(a) HCL (b) NaHCO_3
(c) NH_4HCO_3 (d) Na_2CO_3 **(b)**
- Which one of the following is natural preservative? [Ctg.B.-16]
(a) Vinegar
(b) 0.1% sodium benzoate
(c) Sodium sorbate
(d) Lemon juice **(a)**
- When NH_4Cl reacts with the mixture of lime and makes it hot, then a gas is produced. What will be the product of the reaction of H_2SO_4 with the gas? [Ctg.B.-16]
(a) An important complete fertilizer
(b) An organic compound
(c) Insoluble in water
(d) Aqua solution is alkaline **(a)**
- Which one is used as glass cleaner? [S.B.-16]
(a) NaOH (b) KOH
(c) NH_4OH (d) $\text{Ca}(\text{OH})_2$ **(c)**
- What is the optimum temperature and pressure to produce ammonia gas in Habar process? [S.B.-16]
(a) 450°C , 200 atm
(b) 550°C , 250 atm
(c) $450 - 550^\circ\text{C}$, 200 – 250 atm
(d) $200 - 250^\circ\text{C}$, 450 – 550 atm **(c)**
- Which is used to preserve pickles? [J.B.-16]
(a) Vinegar (b) Slaked lime
(c) Lime (d) Salt **(a)**
- What is the amount of nitrogen in urea? [J.B.-16]
(a) 40% (b) 50%
(c) 56% (d) 46% **(d)**
- Which of the following accelerates the activity of enzyme? [B.B.-16]
(a) H_2O (b) NaCl
(c) CH_3COOH (d) H_2CO_3 **(d)**

28. Which is used to clean glass? [B.B.-16]

- (a) CaO(s) (b) NH₃(l)
(c) NaOH (l) (d) N₂SO₄ (l)

(b)

Answer to the questions no. 29 and 30 according to the

following reaction :— NH₄CNO $\xrightarrow{\Delta}$ X [D.J.B.-16]

29. What is the name of compound 'X'?

- (a) Urea (b) Ammonia
(c) Cyanide (d) Nitrus Oxide

(a)

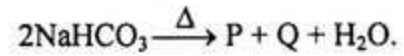
30. How many atoms are in compound X?

- (a) 8 (b) 7
(c) 6 (d) 5

(a)

Follow the stem and answer the questions No. 31 and 32 :—

[B.B.-16]



31. The formula of P compound—

- (a) NaCO₃ (b) Na₃CO₃
(c) Na(CO₃)₂ (d) Na₂CO₃

(d)

32. 'Q' compound is—

- i. lighter than air
ii. heavier than air
iii. acidic

(a)

Which one is correct?

- (a) i and ii (b) ii and iii
(c) i and iii (d) i, ii and iii

(b)

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