

Chemical Engineering Stoichiometry Quiz Questions

- Disappearance of snow in subzero weather exemplifies the process of
 - evaporation
 - sublimation
 - vaporisation
 - meltingAns: B
- 1 bar is almost equal to ___ atmosphere.
 - 1
 - 10
 - 100
 - 1000Ans: A
- In material and energy balance, which of the following may not be considered?
 - Production
 - Rejects
 - Raw materials
 - CostAns: D
- The percentage ratio of the partial pressure of the vapor to the vapor pressure of the liquid at the existing temperature is
 - termed as relative saturation
 - not a function of the composition of gas mixture
 - called percentage saturation
 - not a function of the nature of vaporAns: A
- The reverse process of fractional crystallization is called
 - stripping
 - leaching
 - differential distillation
 - absorptionAns: B
- One micron is equal to ___ cm.
 - 10^{-2}
 - 10^{-4}
 - 10^{-6}
 - 10^{-8}Ans: B
- The molecules of a liquid which is in equilibrium with its vapor at its boiling point on an average have equal ___ in the two phases.
 - potential energy
 - intermolecular forces

- c. kinetic energy
- d. total energy

Ans: C

8. No cooling occurs, when an ideal gas undergoes unrestrained expansion, because the molecules
- a. collide without loss of energy
 - b. do work equal to loss in kinetic energy
 - c. are above the inversion temperature
 - d. exert no attractive force on each other

Ans: C

9. With rise in pressure, the solubility of gases in solvent, at a fixed temperature
- a. Increases
 - b. Decreases
 - c. Remains unchanged
 - d. Decreases linearly

Ans: A

10. Kopp's rule is helpful in finding the
- a. heat capacities of solids
 - b. heat capacities of gases
 - c. molal heat capacities of gases
 - d. activation energy

As: A

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