



SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. Which of the following statements about solutions is true? (2023)

- A. Solutes increase the boiling point of solvents
- B. Solutes decrease the freezing point of solvents
- C. Both A and B
- D. Neither A nor B

Solution: Both statements are true; solutes affect the colligative properties of solvents.

Q2. Which of the following solutions has the highest boiling point elevation? (2020)

- A. 0.1 M NaCl
- B. 0.1 M KCl
- C. 0.1 M CaCl₂
- D. 0.1 M MgCl₂

Solution: Boiling point elevation is proportional to the number of particles in solution. CaCl₂ dissociates into 3 ions (1 Ca²⁺ and 2 Cl⁻), giving the highest elevation.



