8) Which solution has the highest boiling point at standard pressure?

3) 0.10 M K<sub>3</sub>PO<sub>4</sub>(aq)

4) 0.10 M KNO<sub>3</sub>(aq)

1) 0.10 M KCl(aq)

2) 0.10 M K<sub>2</sub>SO<sub>4</sub>(aq)

- 9) What occurs as a salt dissolves in pure water?
  - 1) The number of ions in the solution decreases, and the freezing point decreases.
  - 2) The number of ions in the solution decreases, and the freezing point increases.
  - 3) The number of ions in the solution increases, and the freezing point decreases.
  - 4) The number of ions in the solution increases, and the freezing point increases.
- 10) Which 1-molal aqueous solution has the *lowest* freezing point?

