

**Directions:** Choose the letter that corresponds to the correct answer.

- Which of the following is TRUE for a 50% aqueous solution of ethyl alcohol?
  - Water acts as the solvent.
  - Ethyl alcohol acts as the solvent.
  - Neither water nor ethyl alcohol act as a solvent.
  - Either water or ethyl alcohol can act as a solvent.
- The size of solute particles in a liquid mixture is smallest in:
  - colloids
  - solutions
  - suspensions
  - hydrocolloids
- Which of the following does not belong to the group?
  - sodium chloride
  - sucrose
  - solid copper
  - aqueous hydrogen peroxide
- Which of the following demonstrates an intensive property of matter?
  - The length of the chalk decreases as it is being used up.
  - A researcher determines the refractive index of a sample by analyzing a small fraction of it.
  - Water expands at a lower temperature.
  - All of the above
  - None of the above
- Thoroughly mixing water and small amount of coconut oil will yield to a/an:
  - emulsion
  - gel
  - aerosol
  - suspension