

Answer on Question #52256, Chemistry, Physical Chemistry

Question:

8. Which of these mixtures is not a nearly ideal liquid mixture?

n-hexane and n-heptane

benzene and toluene

water and ethanol

carbon tetrachloride and silicon tetrachloride

9. The mole fraction of He in a gaseous solution prepared from 4.0 g of He, 6.5 g of Ar, and 10.0 g of Ne is _____.

0.6

1.5

0.2

0.11

10. Molality is defined as the _____.

moles solute / moles solvent

moles solute / Liters solution

moles solute / kg solution

moles solute / kg solvent

11. Which of the following is a pure substance made up of one type of atoms?

A mixture

An element

A compound

A solution

12. Ethanol dissolved in water would be an example of ____

a solution between two miscible liquids

a solution between a solid and liquid

a suspension between two liquids

ethanol and water do not form a solution

Answer:

8. carbon tetrachloride and silicon tetrachloride

9. 0.6

10. moles solute / Liters solution

11. An element

12. a solution between two miscible liquids