

Worksheet 15-3

Chemistry Worksheet Supplement – Molarity/molality

11. What is the molality of a solution composed of 3.25 g methanol (CH_3OH) and 250. g of water?
12. What is the molality of a solution made of 7.50 mg benzene (C_6H_6) dissolved in 460.0 mg of toluene (C_7H_8)?
13. What is the molality of a solution of 5.0 g ethylene glycol ($\text{C}_2\text{H}_6\text{O}_2$) in 100. g of water?
14. How many moles of NaCl are in 115 kilograms of a 0.250 *m* sodium chloride solution?
15. How many grams of K_2CO_3 are present in 3.0 kg of a 0.500 *m* (molal) solution of K_2CO_3 ?