

Worksheet: Concentration Units

1. Calculate the mass percent of the following solutions.

a. 5.4g K_2SO_4 dissolved in water to give 83.5g of solution.

b. 5.5g glucose in 20.0g of water.

2. If there are 12mL of ethanol in 100mL of solution, what is the %v/v of the solution?

3. If the %m/v of a KCl solution is 5%, how many grams of KCl are in 50mL of solution?

4. Calculate the molarity of the following solutions:

a. 0.0150 mol KOH, 25.0mL of solution

b. 0.250g NaOH, 50.0mL of solution