Dilutions Worksheet

W 329

1. If 45 mL of water are added to 250 mL of a 0.75 M K2SO4 solution, what will the molarity of the diluted solution be?

1. If water is added to 175 mL of a 0.45 M KOH solution until the volume is 250 mL, what will the molarity of the diluted solution be?

1. How much 0.075 M NaCl solution can be made by diluting 450 mL of 9.0 M NaCl?

1. If 550 mL of a 3.50 M KCl solution are set aside and allowed to evaporate until the volume of the solution is 275 mL, what will the molarity of the solution be?

1. How much water would need to be added to 750 mL of a 2.8 M HCl solution to make a

1.0 M solution?