

45. If a saturated solution of sodium nitrate is cooled, what change might you observe? 18.1

49. Having a measure of the molarity of a solution is more meaningful than knowing whether a solution is dilute or concentrated. Explain. 18.2

52. Calculate the moles and grams of solute in each solution. 18.2

a. 1.0 L of 0.50M NaCl

b. 5.0×10^2 mL of 2.0M KNO₃

c. 250 mL of 0.10M CaCl₂

d. 2.0 L of 0.30M Na₂SO₄

54. What is the concentration (in % (m/v)) of the following solutions? 18.2

a. 20.0 g KCl in 0.60 L of solution

b. 32 g NaNO₃ in 2.0 L of solution