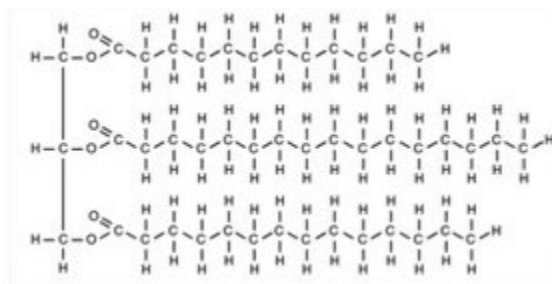


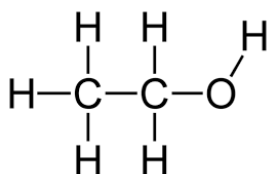
Solutions

1. Predict whether each of the following substances would be more soluble in water or heptane (C_7H_{16}): Identify the main IMF between solvent molecules and solute molecules for each example

- a. Triglyceride



- b. isopropyl alcohol (shown below)



- c. potassium bromide

2. A 13.0% solution of K_2CO_3 by mass has a density of 1.09 g/cm^3 . Calculate the molality of the solution.