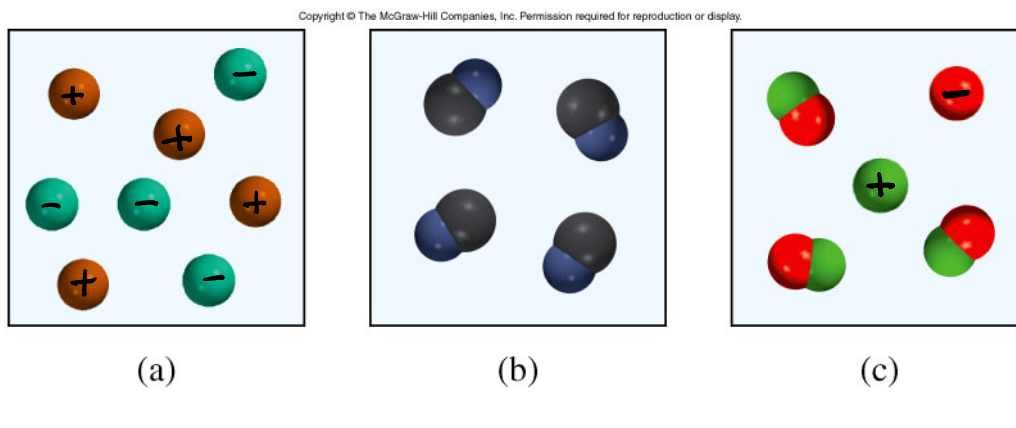
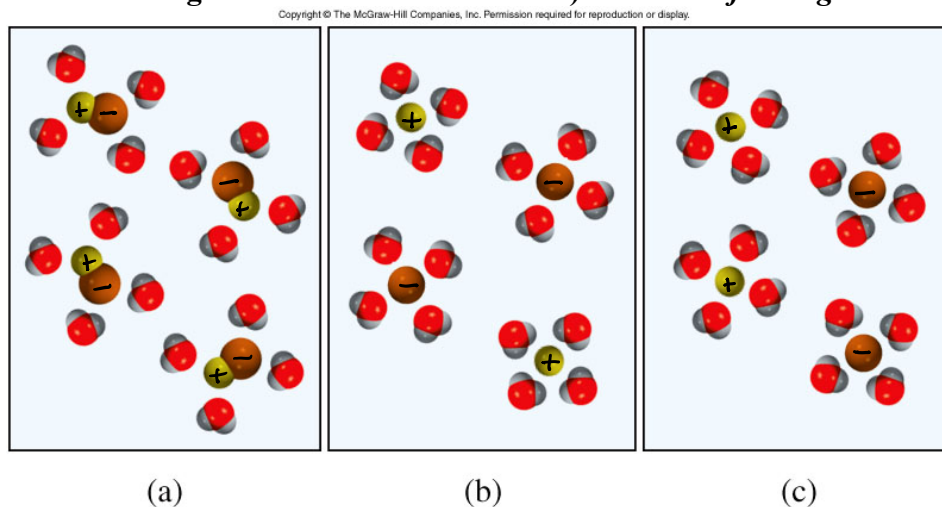


Chem 2 AP Homework #4-1: Aqueous Solutions and Solubility
(Problems pg. 151 #7, 8, 9 - 2, 20)

4.7 The aqueous solution of three compounds are shown in the diagram below. Identify each compound as a nonelectrolyte, a weak electrolyte or a strong electrolyte. (See book for diagram in color.)



4.8 Which of the following diagrams best represents the hydration of NaCl when dissolved in water (The Cl^- ion is larger in size than the Na^+ ion.) See book for diagram in color.



4.9 Identify each of the following substances as a strong electrolyte; weak electrolyte or nonelectrolyte:

- (a) H_2O :
- (b) KCl :
- (c) HNO_3 :
- (d) CH_3COOH :
- (e) $\text{C}_{12}\text{H}_{22}\text{O}_{11}$:

