

Practice on the Modified Arrhenius theory

1. Use the modified Arrhenius theory to suggest a chemical reaction equation to explain the **acidic** properties of each of the following solutions:
 - a. KHSO_4 in water
 - b. Hydrofluoric acid in water
 - c. HNO_3 in water
2. Use the modified Arrhenius theory to suggest a chemical reaction equation to explain the **basic** properties of each of the following solutions:
 - a. Hydrogen phosphate ion in water
 - b. lithium carbonate in water
 - c. sodium sulfide in water
 - d. ammonia in water