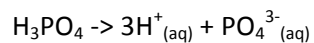
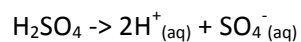
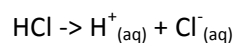
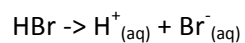


# Arrhenius Theory of Acids and Bases

## Acids

- an acid is a substance that **dissociates** (breaks apart) in water to form one or more  $\text{H}^+$
- an acid is therefore a proton donor



## Bases

- a base is a substance that **dissociates** (breaks apart) in water to form one or more  $\text{OH}^-$  ions (hydroxide)
- a base is a proton acceptor

