**PROPERTIES OF ACIDS:**

- Corrosive, Sour & pH < 7

- Reacts with metals to produce salt and hydrogen gas

- Acids are electrolytes (Regulate nerve & muscle function / muscles are “electric tissues”)

- Dissolves in water to produce H+ ions (ion = molecule/atom with a net electric charge due to the loss or gain of electrons) Electron: negative charge



**STRONG ACIDS:**

1. Sulfuric Acid 2. Nitric Acid 3. Hydrochloric Acid

**WEAK ACIDS:**

1. Acetic Acid (vinegar) 2. Citric Acid (sour candies) 3. Carbonic Acid (soda pop)

**PROPERTIES OF BASES/ALKALIS:**

- Corrosive, Bitter & pH >7

- Slippery (react with fatty acids in your skin, makes a bit of “soap”)

- Reacts with oils & fats

- Bases neutralize acids to produce salt & water

- Dissolves in water to produce OH- ions