

## **EMT Basic IV Terminology**

**Diffusion-** Movement of compound or charges that move from a higher concentration to a lower concentration.

**Osmosis-** Movement of water from a lesser concentration to a higher concentration.

**Filtration-** Movement of fluid through a filter that traps large particles that are too large to pass. (kidneys)

**Active transport-** movement of compounds that require energy. (Sodium potassium pump, i.e. the heart)

**Osmotic pressure-** pressure against the cell membrane. (Exchange of nutrients, O<sub>2</sub> & CO<sub>2</sub> in the capillary beds)

### **Remember, Where sodium goes water will follow**

**Isotonic-** made up of the same chemical compound as the body. (Its equal)

**(Lactated Ringers & NaCl)**

**Hypotonic** – Pulls water into the cells (**D5W**)

**Hypertonic-** Pulls water out of the cells into the intravascular

**Crystalloid** – Contains salt and sugars that disassociate quickly

**Colloid** – contain large molecules that are too large to pass through the capillary membranes

### **Crystalloid Solutions**

Isotonic, hypertonic and hypotonic solutions

### **Colloid solutions**

Plasma, Dextran, Hespan