Week 8 vocabulary

**Selectively permeable** – a membrane that allows some substances to pass through while others cannot

**diffusion** – the process by which molecules move from an area of higher concentration to an area of lower concentration

**osmosis** – the diffusion of water molecules through a selectively permeable membrane

**passive transport** – the movement of dissolved materials through a cell membrane without using cellular energy.

**active transport** – the movement of materials through a cell membrane using cellular energy

**endocytosis** – to transport a large particle ***into*** the cell, a cell membrane surrounds a particle, encloses it in a vesicle, and brings the particle into the cell

**exocytosis** - to transport a large particle ***out of*** the cell, vesicles are formed around proteins or other large substances at the endoplasmic reticulum or Golgi bodies and then the particle is carried to the cell membrane for export

**photosynthesis**- the process by which a cell captures energy in sunlight and uses it to make food

**cellular respiration** –the process by which cells get energy from glucose. During this process cells break down simple food molecules such as sugar and release the energy they contain in the form of a molecule called ATP (adenosine triphosphate)

**fermentation** – a process that provides energy for cells without using oxygen

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