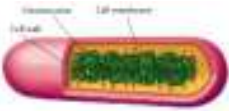


Ch 27 HW: Sec Rev 1-3.22.23  
 Sec 27.1 Obj: Explain the relationship between photosynthesis and life on earth.

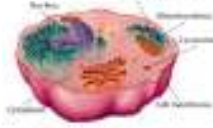
Life

- The ability of an organism to grow and reproduce itself.
- The smallest unit that can reproduce itself is called a cell.
- \* 2 Types of Cells
- 1) Prokaryotic Cell



Prokaryotic cell

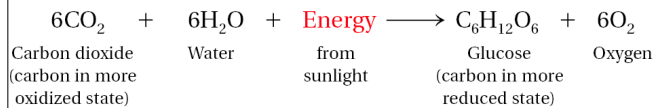
- Cells in Bacteria
- Oldest type of Cell
- 2) Eukaryotic Cell



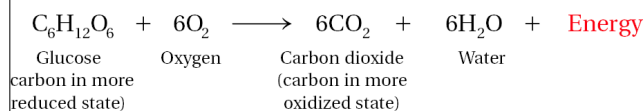
Eukaryotic cell

- All other organisms.
- Contains organelles
  - \* Nucleus, Mitochondrion, Lysosomes, Endoplasmic Reticulum
- Both Prokaryotic and Eukaryotic Cells have a cell membrane.
- Both have the chemicals and produce the same chemical rxns to sustain life.

- Energy in Cells
- Depends on the purpose of the cell.
- \* Cells that contain Chloroplast convert radiant energy into sugars + oxygen.
- \* Plants
- Undergo Photosynthesis.



- Animals use the energy from photosynthesis to sustain life.
- \* Do not have Chloroplasts in cells.



- Animals cannot survive w/o plant life.