

# LIFE SCIENCE - CHAPTER 3 - CELL PROCESSES Vocabulary:

- Element
  - Atom
  - Compound
  - Molecule
- Most common elements from the periodic table
  - Organic Compound
  - Inorganic Compound
- Carbohydrates - made up of what elements and food examples
  - Sugar/ Starch
  - Glucose (Chemical composition)
    - Lipids
    - Proteins
  - Enzymes - what do they do?
    - Nucleic Acid
    - Deoxyribonucleic Acid
    - Ribonucleic Acid
  - Selectively Permeable Membrane
    - Diffusion
    - Osmosis
    - Isotonic Solution
    - Hypotonic Solution
    - Hypotonic Solution
  - Fermentation - two types
    - Active Transport
    - Passive Transport
    - Photosynthesis
  - Photosynthesis and Respiration Equations ...
    - Chlorophyll
    - Stomata
- How are Photosynthesis and Respiration connected
  - Three Phases of the Cell Cycle
    - Interphase
    - Mitosis
    - Cytokinesis
- Mitosis - 4 step progression (know what happens at each phase)
  - Prophase
  - Metaphase
  - Anaphase
  - Telophase
  - Chromosome
  - Spindle Fibers
- 4 DNA Nitrogen Bases: - how do they connect
  - Adenine
  - Thymine
  - Guanine
  - Cytosine