

# LIFE SCIENCE - Chapter 2

## Vocabulary:



- 7 Life Processes (MRS NERG)
  - Excrete
  - Respire
  - Unicellular
- Multicellular
  - Cell
- Carbohydrates
  - Proteins
  - Lipids
- Nucleic Acid
  - Stimulus
- Reaction/Response
  - Growth
  - Development
  - Reproduction
- Asexual Reproduction
- Sexual Reproduction
- Spontaneous Generation
- FOUR Fundamental needs to live
- FIVE primary reasons we need water
  - Homeostasis
  - Glucose
  - Autotrophs
  - Heterotrophs
  - Taxonomy
- Binomial Nomenclature
  - Genus
  - Species
- EIGHT Levels of Life Classification (KIDS PICK CANDY OVER FANCY GREEN SALAD)

- THREE Domains of Life
  - Prokaryotes
    - Nucleus
    - Archae
    - Bacteria
    - Eukarya
  - FOUR Kingdoms belonging to the EUKARYA DOMAIN
    - Protists
    - Fungi
    - Decomposers
- FOUR parts of the Cell Theory
  - DNA
- What invention made it possible to view the cell structure
  - ANATOMY of CELLS
    - Organelles
      - Nucleus
    - Nuclear Membrane
      - Cell Wall
    - Nuclear Pores
      - Chromatin
      - Nucleolus
  - Endoplasmic Reticulum (ER)
    - Golgi Body
    - Vacuole
    - Chloroplasts
    - Cell Membrane
      - Lysosomes
      - Mitochondria
      - Cytoplasm
      - Ribosomes
        - Cilia
- FOUR Basic Differences Between PLANT CELLS and ANIMAL CELLS