**Academic Biology vocabulary list-Fall semester**

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| **UNIT 1: Nature of Science**  hypothesis  independent variable  dependent variable  constant variable  experimental control  data  scientific theory  data table  graph | **UNIT 2: Ecology**  matter  energy  trophic levels  autotroph  heterotroph  decomposer  food chain  food web  ecological pyramid  carbon cycle  nitrogen cycle  primary succession  pioneer species  secondary succession  biodiversity  predation  parasitism  commensalism  mutualism  adaptation  ecosystems  species  population  community  ecosystem  biome  biosphere | **UNIT 3: Cells**  cell  prokaryotic  eukaryotic  homeostasis  diffusion  osmosis  passive transport  active transport  synthesis  cell differentiation  cell cycle  interphase  S phase  mitosis  prophase  metaphase  anaphase  telophase  cytokinesis  cancer |
| **Unit 4: Biomolecules**  biomolecule amino acid  carbohydrate nucleotide  lipid enzyme  nucleic acid organic molecules  protein DNA  monomer RNA  polymer starch  monosaccharide glucose  ATP  phospholipid | | |