REVIEW LIST FOR GENERAL BIOLOGY
SEMESTER ONE FINAL EXAM
PH DRAGONFLY BOOK CHAPTERS = 1, 2, 7, 8, 9, 10, 11.1 & 11.4

SCIENTIFIC METHOD
- HYPOTHESIS
- CONTROLLED EXPERIMENT
- DATA
- VARIABLES
- THEORY

CELL SPECIALIZATION
HOMEOSTASIS
LEVELS – ORGANISM
- POPULATION
- COMMUNITY
- ECOSYSTEM
- BIOSPHERE

ATOMS
MASS NUMBER
ATOMIC NUMBER
ISOTOPE
COMPOUND
COVALENT BOND
IONS
SOLUTION
pH
ACID
BASE
CHEMICAL REACTIONS
- REACTANTS
- PRODUCTS
- ENERGY

ENZYMES
CATALYSTS
CELL THEORY
PROKARYOTE
EUKARYOTE

ORGANELLE (STRUCTURE/FUNCTION)
- NUCLEUS
- RIBOSOME
- LYSOSOME
- MITOCHONDRIA
- CHLOROPLAST – STROMA
- CYTOSKELETON
- CELL WALL
- CELL MEMBRANE

DIFFUSION
ACTIVE TRANSPORT
OSMOSIS
LEVELS - CELLS
- TISSUES
- ORGANS
- ORGAN SYSTEMS
- ORGANISM

AUTOTROPH
HETEROTROPH
ATP (STRUCTURE/FUNCTION)
PHOTOSYNTHESIS
- EQUATION
- LIGHT DEPENDENT (WHAT/WHERE)
- LIGHT INDEPENDENT (WHAT/WHERE)
- PIGMENTS
- CHLOROPHYLL
- CALVIN CYCLE

CELLULAR RESPIRATION
- REACTION/EQUATION
- NET ATP
- GLYCOLYSIS (WHAT/WHERE)
- PYRUVIC ACID
- KREBS CYCLE (WHAT/WHERE)

FERMENTATION
- LACTIC ACID
- ALCOHOLIC

RELATIONSHIP BETWEEN
    PHOTOSYNTHESIS AND
    RESPIRATION
MITOSIS
    SPINDLE FIBERS
    STAGES
CYCLIN
SURFACE AREA/VOLUME RATIO
MENDEL'S PEAS
    P – TRUE BRED
    F_1 – HYBRID
    F_2 – RECESSIVE TRAIT

CROSS-POLLINATION
GENES
PRINCIPLE OF DOMINANCE
HOMOZYGOUS
HAPLOID "N"
DIPLOID
MEIOSIS
    TETRADS
LAB TESTS FOR
    LIPIDS
    PROTEINS