

Biology A Semester 1 Final Review Sheet

Chapter 1

Microscope parts
Scientific Method (sponge bob)
Hypothesis
Manipulated Responding variable
Quantitative and Qualitative data
Total magnification
graphing

Chapter 2

Study Key Vocabulary
Monomers/polymers
Carbohydrates
Proteins
Lipids
Nucleic Acids
Chemical reactions and their parts
Energy in reactions
Enzymes
What are enzymes affected by?

Chapter 7

Study Key Vocabulary
Cell Theory
Prokaryotes
Eukaryotes (animal/plant cells)
Organelles of a cell and their functions
Cell membrane
Cell walls
Diffusion
Osmosis
Facilitated diffusion
Active Transport
Plant and animal cell diagram

Chapter 8

Study Key Vocabulary
ATP
Photosynthesis
Photosynthesis chemical equation
Photosynthesis- reactants and products
Chloroplast
Electron carriers
Light dependent reaction
Electron Transport Chain
Calvin Cycle
Factors that affect photosynthesis
Diagram of overall equation

Chapter 9

Study Key Vocabulary
Cellular respiration chemical equation
Electron carriers
Glycolysis (reactants and products)
Krebs Cycle (reactants and products)
Electron Transport Chain (reactants and products)
Total number of ATP produced

Chapter 11

Study Key Vocabulary
Gregor Mendel's Experiment and results
Dominance and recessive alleles
Law of Segregation
Monohybrid Genetic Crosses
Homozygous/heterozygous
Genotype and phenotype
Law of Independent assortment
Incomplete dominance and polygenic traits
Diploid/Haploid cells
Gametes

Chapter 12

Study Key Vocabulary
Nucleotides (all parts)
DNA Structure
Chargaff's rules
DNA Replication (process and parts)
RNA (all forms and functions)
Protein Synthesis
 Transcription (process)
 Codons, and RNA polymerase
 Translation (process)
 Anticodons
Know how to use a table to find an amino acid.