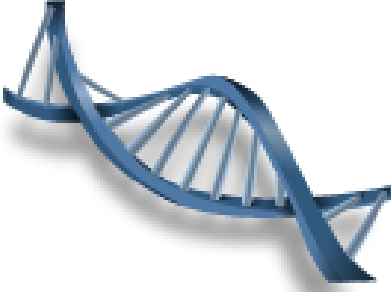


Biology Syllabus



Complete each of the assignments in each section in the order listed. Lab activities may be added as you progress through the units.

All chapters and page numbers listed are for ***Holt Biology: Principles and Explorations***, 2001 edition

Vocabulary assignments must be completed on Frayer diagrams. All other assignments are to be completed on your own paper unless noted otherwise.

Unit Assignments are different for each unit, and are available from your instructor

Unit exams can be taken on paper, but may be available online. All exams must be completed during class time

Lab Safety Module

Complete if needed

Unit 1: Biodiversity and Change

Chapter 13: p 275-294 and Chapter 15: p 319-330

Vocabulary:

- Adaptation
- Evolution
- Natural selection
- Competition
- Speciation
- Vestigial
- Classification
- Dichotomous key

Unit Assignment

Unit Exam

Unit 2: Interdependence

Chapter 17: p 359-374 and Chapter 18: p 381-398

Vocabulary:

- Population
- Autotroph
- Heterotroph
- Herbivore
- Carnivore
- Omnivore
- Symbiotic relationship
- Succession
- Producer
- Consumer

Unit Assignment

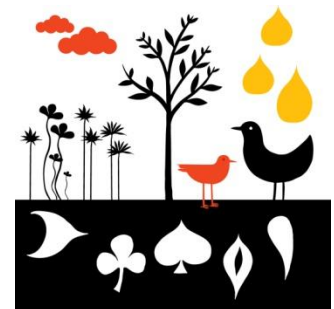
Unit Exam

Unit 3: Flow of Matter and Energy

Chapter 5: p 93-110

Vocabulary

- Aerobic
- Anaerobic
- Cellular respiration
- Photosynthesis
- Fermentation
- Glycolysis
- Krebs's cycle
- Electron transport chain
- ATP



Unit Assignment

Unit Exam

Unit 4: Chemistry of Life

Chapter 2: p 27-42

Vocabulary

- Protein
- Carbohydrate
- Lipid
- Nucleic acid
- Enzyme
- Substrate
- Reactant
- Product
- Monomer
- Polymer

Unit Assignment

Unit Exam

Unit 5: Cell Structures and Processes

Chapter 3: p 49-66 and Chapter 4: p 73-86



Vocabulary

- Organelle
- Hypertonic
- Isotonic
- Hypotonic
- Endocytosis
- Exocytosis
- Diffusion
- Osmosis
- Active transport
- Passive transport

Unit Assignment

Unit Exam

Unit 6: Heredity and Genetics

Chapters 6-10 (pieces of each)

Vocabulary

- DNA
- RNA
- Transcription
- Translation
- Genotype
- Phenotype
- Homozygous
- Heterozygous
- Meiosis
- Mitosis

Unit Assignment

Unit Exam

Biology AYP/ EOC Review

Biology AYP/ EOC

This exam is given only in December and again in May

