
Introductory Biology

The Scientific Method

- Class Note 1 How to develop a Graph
- Lab # 1 "Let's Graph"
- Class Note 2 The Scientific Method
- Lab # 2 Metric Me
- Lab # 3 Scientific Method "Superstition"

Chemistry

- Class Note 3 Basic Chemistry
- Worksheet 1 Basic Chemistry
- Lab # 4 Using an Acid-Base Indicator
- Class Note 4 Chemistry in Biology
- Worksheet 2 Organic Chemistry
- Lab # 5 Am I Sweeter than Sugar?
- Class Note 5 Enzymes
- Lab # 6 Enzyme substrate Reactions

The Cell

- Class Note 6 The Cell and its Parts
- Lab # 7 The Microscope
- Worksheet 3 The Cell and its Parts
- Class Note 7 Diffusion and Osmosis
- Lab # 8 Osmosis and the Egg
- Class Note 8 Cellular Respiration
- Lab # 9 Glycolysis Mapping

Nucleic Acids

- Class Note 9 Nucleic Acids
- Worksheet 4 DNA and RNA
- Lab # 10 DNA Modeling
- Class Note 10 Protein Synthesis
- Lab # 11 Protein Synthesis
- Class Note 11 DNA Technology
- Worksheet 5 Plasmid Technology

Introductory Biology Syllabus

Genetic Basis of Life

Class Note 12.....	The Cell Cycle
Lab # 12.....	Mitosis
Worksheet 6	The Cell Cycle
Class Note 13.....	Meiosis
Lab # 13.....	Meiosis
Class Note 14.....	Mendel's Genetics
Worksheet 7	Basic Genetics
Worksheet 8	Human Genetics
Lab # 14.....	Chromosome Study – Karyotyping
Lab # 15.....	Pedigree Study

Principles of Biological Change

Class Note 15.....	Biological Classification
Lab # 16.....	Laboratory Taxonomy
Class Note 16.....	Darwin and Natural Selection
Lab # 17.....	Natural Selection

The Minor Kingdoms

Class Note 17.....	The Virus
Worksheet 9	The Virus
Class Note 18.....	Bacteria
Worksheet 10	Bacteria
Class Note 19.....	Kingdom Protista
Lab # 18.....	Protista
Worksheet 11	Protista
Class Note 20.....	The Kingdom Fungi
Worksheet 12	Kingdom Fungi

The Animal Systems

Class Note 21.....	Animal Kingdom
Class Note 22.....	Circulation and Respiration in an Organism
Worksheet 13	Circulation and Respiration
Class Note 23.....	Animal Digestion
Lab # 19.....	Muscular Activities Effect on Breathing
Worksheet 14	Animal Nutrition
Class Note 24.....	Skeletal and Muscular System
Worksheet 15	Skeletal and Muscular System
Class Note 25.....	Nervous System
Worksheet 16	Nervous System
Lab # 20.....	Fish Dissection
Class Note 26.....	Animal Reproduction
Worksheet 17	Reproduction

Introductory Biology Syllabus

Class Note 27	Excretory System
Worksheet 18	Excretory System
Class Notes 28.....	Immune System
Worksheet 19	Immunity
Lab # 21.....	Muscular Activity (Thumb Wrestling)
Lab # 22.....	Muscular Activities Effect on the Skeleton

Plants

Class Note 29.....	General Plant Characteristics
Worksheet 20	General Plant Characteristics
Class Note 30	Plant Tissues
Worksheet 21	Plant Tissues
Class Note 31.....	Roots Form and Function
Lab # 22.....	Root Lab
Worksheet 22	Root of a Flowering Plant
Class Note 32.....	Stem Form and Function
Worksheet 23	Stem of a Flowering Plant
Class Note 33.....	Photosynthesis
Lab # 23.....	Plant Pigments
Worksheet 24	Photosynthesis
Class Note 34.....	Leaf of the Flowering Plant
Lab # 24.....	The Leaf
Worksheet 25	Leaf of the Flowering Plant
Class Note 35.....	Plant Reproduction
Lab # 25.....	Flower Lab
Worksheet 26	Flower of the Flowering Plant
Lab # 26.....	Pollination
Lab # 27.....	Monocot – Dicot Seeds

Ecology

Class Note 36.....	Introduction to Ecology
Class Note 37	Aquatic Biomes
Worksheet 27	Biomes (climatographs)
Class Note 38	Energy Flow and Nutrient Cycles
Worksheet 28	Energy Flow
Class Note 39.....	Population Ecology
Worksheet 29	Population Ecology