



Introductory Biology

Version 3

Introduction:

- Lab 1: Introduction to Science
- Lab 2: General Lab Safety
- Lab 3: Chemical Bonding Fundamentals
- Lab 4: Introduction to the Microscope

Biological Processes:

- Lab 5: The Chemistry of Life
- Lab 6: Diffusion
- Lab 7: Osmosis
- Lab 8: Enzymes
- Lab 9: Cellular Respiration

The Cell:

- Lab 10: Cell Structure and Function
- Lab 11: Mitosis
- Lab 12: Meiosis
- Lab 13: DNA and RNA
- Lab 14: Mendelian Genetics
- Lab 15: Population Genetics





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Kingdoms of Life:

- Lab 16: Taxonomy
- Lab 17: Bacteria and Archaea
- Lab 18: Protista
- Lab 19: Fungi

Plant Kingdom:

- Lab 20: Energy and Photosynthesis
- Lab 21: Plant Circulation
- Lab 22: Plant Reproduction

Animal Kingdom:

- Lab 23: Invertebrates and Vertebrates
- Lab 24: Animal Structure
- Lab 25: The Circulatory and Respiratory Systems
- Lab 26: The Sensory and Nervous Systems

Ecology:

- Lab 27: Ecology of Organisms
- Lab 28: Ecological Interactions

Appendix: Good Lab Techniques