

- Hierarchy in ecology
- Hardy-Weinberg equation
- Evolution driving forces
- Organelles in Prokaryotes and Eukaryotes
- Stages of Mitosis
- Stages of Meiosis
- Difference between T and B-cells
- Primary and Secondary response for infection
- Specific and non-specific responses
- How a neuron sends a signal
- Sodium-potassium pump
- Types of passive and active transport
- G-protein coupled complex receptor signaling
- Tyrosine Kinase Signaling
- Endocrine system and regulation of body functions
- Transpiration
- Photosynthesis
- Cellular Respiration (Glycolysis, Citric acid cycle, electron transport chain, and ATP synthase)
- Properties of water
- Phototropism
- Differences between Lipids, Nucleic Acids, Proteins, and Carbohydrates
- Genetics
- DNA replication
- Transcription
- Translation
- Chromosomal packaging
- Exocytosis
- Cell Signaling pathways
- Sex linked traits
- Allele and Loci
- Using Punnett squares to do multiplication rule.
- All 12 Labs what was the purpose and what was the outcome.