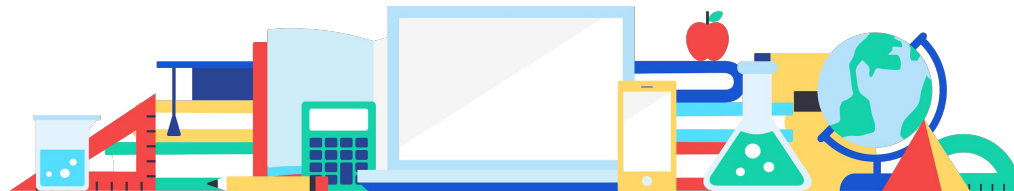





Biology Topics & Resources

July 2020





Topics to Discuss

- Biochemistry
- Cell Biology
- Genetics
- Plant Biology
- Animal Biology
- Evolution and Ecology



Biochemistry

- Basic chemistry
- Bonding/IMFs
- Behavior of water
- pH
- Organic compounds
- Macromolecules
- Energy
- Enzymes



Cell Biology

- Cellular Structure
- Transport
- Cell Junctions
- Cell Cycle
- Mitosis
- Meiosis
- Cellular Respiration



Heredity

- Mendelian genetics
- Sex-linkage
- Pedigrees
- Central Dogma
- DNA structure and replication
- Gene structure and regulation
- Mutations
- Genetic Engineering



Plant Biology

- Classification,
- Evolution
- Anatomy
- Physiology
- Reproduction
- Photosynthesis
- C3/C4/CAM plants



Animal Biology

- Physiology
- Reproduction
- Development
- Human organ systems
- Human Immune System
- Animal Behavior



Evolution and Ecology

- Lamarck
- Darwin and natural selection
- Hardy-Weinberg
- Taxonomy
- Populations
- Population interactions
- Food chain
- Ecological succession
- Biomes
- Chemical cycles