

Classification

1. Basis of modern classification
2. Classification taxa – relationships
3. Binomial Nomenclature – genus, species
4. Kingdoms –basic characteristics of the 6 Kingdoms
5. Terms – taxonomy, ~~Aristotle, Linnaeus, Whittaker~~

Kingdoms

1. Basic structure of viruses – Living or no-living
2. Reproduction of viruses – lytic and lysogenic cycles
3. Archeobacterium/Eubacterium (~~Monera~~) – basic characteristics
4. Basic structure of a bacterium (**diagram**)
5. Classification of bacteria – how are bacteria useful
6. Protista Kingdom – basic characteristics
7. Diagrams of ameba, paramecium, euglena – function of organelles
8. Fungi Kingdom –basic characteristics – sac, zygote, club fungi

Animal Kingdom

1. Animal Kingdom – basic characteristics
2. terms – bilateral symmetry, radial symmetry, anterior, posterior, dorsal, ventral

Circulatory System

1. function of a circulatory system, compare arteries and veins
2. **Diagram** of human heart – label and show blood flow through the heart
3. Types of circulation – pulmonary, systemic, coronary
4. Blood vessels – structure and function
5. Circulation in other organisms
6. Basic components of blood
7. terms – open system, closed system, artery, arteriole, vein, venule, capillary, pericardium, hemoglobin,

Immunity

1. Blood – components
2. Non-specific defense mechanisms, immune response
3. Specific defense mechanisms
4. Active vs. Passive immunity
5. terms: pathogen, vaccine, immunity, immune response, antigen, antibody, T-cells, lymphocyte.