

Biology Review

1. Characteristics of life
2. Cell Theory
3. Prokaryotic vs Eukaryotic
4. Cell organelles
5. Plant vs Animal Cells
6. Microscope parts and function
7. Magnification, Resolution, Contrast
8. Electron Microscopes
9. The Cell Cycle
10. Stages of mitosis and the activities occurring at each stage
11. Cancer cells vs Normal cells
12. Specialization, Differentiation
13. Stem cell - embryonic vs adult
14. Tissue formation
 - a. types [animal and plant]
 - b. examples of each
- ~~15. Human Organs - label and function~~
- ~~16. Plant organs - label and function~~
17. Eleven Human organ systems
- ~~18. Plant organ systems~~
- ~~19. Integumentary System~~
 - ~~a. Functions of skin~~
20. Respiratory System
 - a. Breathing vs gas exchange
21. Circulatory System
 - a. Function of heart
 - b. Types of blood vessels
 - c. Blood components
22. Digestive
 - a. stages of digestion
 - b. chemical vs mechanical
23. Homeostasis worksheet/class notes, video
24. Medical Imaging Technology worksheet
 - a. Matching technology and purpose/function
25. Public Health strategies worksheet
 - a. Vaccinations
 - b. Screening
 - c. Education
26. Biotechnology and ethics worksheet
 - a. Organ donation
 - b. Gene therapy, Cloning
 - c. Reproductive technologies