Unit 14  Best Books

Online Biology Book

1. Origin of Earth and Life
2. Cell Structure
3. Cell Structure  Mitosis  Meiosis
4. Transport In & Out of Cells
5. Virus  Bacteria & Archaeans
6. Nonvascular & Vascular Plants
7. Plant Structure I  & II
8. Sponges Jellyfish & Worms
9. Annelids  Arthropods  Mollusks
10. Echinoderms & Chordates
11. Human Anatomy
12. Genetics  DNA  Gene  Human Genetics
13. Development and Evolution
   Paleobio – Fossils and Time
   Early Paleozoic  Cambrian Explosion
   Devonian  Carboniferous
   Mesozoic  Age of Cycads and Dinosaurs
   Human Evolution
14. Community and Ecology Dynamics
15. Biosphere and Mass Extinctions

Wayne’s word

Wayne’s Word Natural History  Biology  Botany
1. Origin of Life & Evolution
   Properties and Structure of Cell
3. Enzyme, Transportation, Osmosis
4. Chem Compounds in Plants   Chem Compounds in Plants II
5. Illustrations of Molecular Models
6. Sugar from Beets   Sugar from Sugar Canes   Resin & Waxes
7. Photosynthesis & Respiration
8. Major Divisions of Life   Five Kingdoms of Life
9. Major Phyla of Animals   World of Beetles
   Self-Destructive Behavior in Male Animals
10. Ecological Adaptations I   Eco Adaptations II   Eco Adaptations II
   The Very Toxic Puffer Fish   Piranha from the Amazon River
11. Plant Genetics Hyperlinks
   Genetics of Triploid Banana   Seedless Watermelons
12. Hybrid Brodiaea on Santa Rosa Plateau   A B O Blood Types
   Rh Blood Factor   Colorblindness & Baldness in People
13. DNA Structure & Function   Population Genetics
   More Hybridizations in Plants

General Plant Biology

> HCS General Plant Biology   HSC Index

1. Plant Cells   Plant Membrane   Division   Growth
2. Stem and Root   Woody Plants   Leaves
3. Classification
4. Virus   Bacteria   Fungi   Algae
5. Liverworts   Mosses   Clubmosses   Horsetails   Ferns   Gymnosperms
6. Angiosperms   Life Cycle   Pollination & Fruits   Plant Form
7. Plant Chemistry   Lipids & Carbohydrates   Proteins & Nucleic acids
1. Secret World – the Universe Within
   - JAVA Interactive

2. Cells and Virus Structures
   - Animal Cell
   - Plant Cells
   - Plasma Membrane
   - Cell Wall
   - Cilia and Filaments
   - Endoplasmic Reticulum
   - Centrioles
   - Golgi Apparatus
   - Lysosomes
   - Microfilaments
   - Microtubules
   - Mitochondria
   - Ribosomes
   - Peroxisomes
   - Nucleus
   - Chloroplasts
   - Peroxisomes
   - Plasmodesma
   - Vacuoles

3. Intro to Microscopy

4. Virus Structure
   - HIV: Human Immunodeficiency Virus

5. Home – Pond Life
   - VDO
   - Amoeba
   - Euglena
   - Paramecium
   - Volvox
   - Spirulina
   - Nematoda
   - Arachnida
   - Crustacean

6. Light and EM Radiation
   - JAVA Tutorial

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Biology Explorations 4 Kids

1. Visible Human Body
   - BBC Interactive Body
   - MEDtropolis Virtual Body

2. Sci Learning - Classification
   - Tree of Life - Classification

3. UCMP Taxonomy

4. Online Bio Book – Plant Structure
   - Animal Cell Structure

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General Biology

1. Origin of Life
9. **Amazing Animal Sense**

10. **Invertebrate Nervous System**   **Animal Sleep**

11. **Links**   **Brain Facts & Figures**   **Exploratorium**   **How Your Brain Works**

**Protein Explorer**

>**Protein Explorer**   **Proteopedia – Life in 3D**

1. **Protein Data Bank**

2. **Macromolecular Structures**

3. **top5 molviz**   **Jmol**   **MDL Chime**   **Jmol Open-source**

4. **Atlas of Macromolecules**

**Proteopedia – Life in 3D**

>**Home**   **Contents and Index**

1. **Intro to Structural Biology**   **Protein Data Banks**

2. **Molecular Visualization**   **Macromolecular Structures**

3. **Nucleic Acids**   **Nucleosides**   **Nucleotides**   **Nucleotide Structures**

4. **Avian Influenza**   **G Proteins**   **Nucleosomes**

5. **Teaching Scenes and Tutorials**

**Encyclopedia of Science**

>**Encyclopedia of Science**   **Biology**   **Chemistry**   **Physics**   **Astronomy**

1. **Plant Cell**   **Hydroponics**

2. **Biochem Matter**   **ATP**   **Molecule of the Month**

3. **Chromosome**   **DNA**   **Endoplasmic Reticulum**   **Protein Translation**

4. **Genetic Engineering**

5. **Halophiles – Extreme Archaea**   **Dinoflagellate**   **Algae**   **Slime Mold**

   **Horsetail – Equisetum**
6. Bioluminescence in Marine Organisms
7. Circulatory System  Digestive System  Lymphatic System  Respiratory System  Reproductive System
8. Nervous System  ANS  Neurotransmitter
9. Heart  Kidney  Human Eye  Human Ear  Hearing  Skeleton
10. Virus and HIV  Cancer

Google Images
1. Virus  Virus HIV AIDS  Virus H5N1
2. Bacteria Cells  Achaea  Cyanobacteria  Dinoflagellates
3. Protist Kingdom  Rotifera  Algae  Fungi  Slime Molds  Lichens
4. Moss  Liverwort  Hornworts  Lycopsida  Selaginella  Psilotum  Equisetum Horsetails
5. Ferns  Fern Trees  Ferns and Flowers
6. Gymnosperms  Welwitshia  Gingko bibola  Conifers
7. Monocot Structures  Dicot Structures
8. Porifera Structures  Coelenterata Structures
   Platyhelminthes Structures  Planaria  Nematoda Structures
   Arthropoda Structures  Arthropoda Structures  Echinodermata Structures
   Chordata Structures  Urochordata Structures  Fish Structures
   Amphibia Structures  Reptile Structures  Birds  Mammal Structures
9. Cell Structures  Biomolecules  Photosynthesis  Genetics
   Nervous System  Digestive System  Respiratory System  Excretory System
10. Plant Anatomy  Vascular Bundle  Leaf Structure
   Photosynthesis  Flowers  Roses  Tulips  Rhododendrons