

Diversity of Living Things Unit Overview

Section 1.1: Biodiversity

- Know all key terms
- Understand what a species is and how they change over time
- Understand what biodiversity is and how it works within an ecosystem
- Know the different types of species interactions
- Answer # 3 – 8 pg. 13

Section 1.2: The Nature of Classification

- Know all key terms
- How to identify and name new species
- How to classify species (hierarchical and taxonomic classification)
- Linnaeus classification system (KPCOFGS)
- Know how to construct dichotomous keys
- Answer # 2,5,8 pg. 20

Section 1.3 Phylogeny and Modern Taxonomy

- Know all key terms
- Know the difference evidences that show how organisms are related. (phylogenetic tree)
- Answer # 3,6,9 pg. 25

Section 1.4 Kingdoms and Domains

- Know all key terms
- Know what all of the 6 kingdoms
- Know the difference between the two major cell types.
- Answer # 1-3,5 pg. 29

Section 2.1: Bacteria

- 2 major groups and some examples
- Basic characteristics (prokaryote, reproductive cycles, basic structure, etc.)
- Names of different shapes and arrangements (e.g streptococcus vs staphylococcus)
- How they replicate
- Know some common diseases and disorders caused by bacteria
- Answer # 1-5, 9 pg. 53

Section 2.2: Viruses

- Know all key terms
- Why are they important
- Classification system know a few examples
- How they reproduce (know the cycle)
- How they can be used for other purposes and the dangers of them
- Answer # 1-9, pg 59

Section 2.3: Protists

- Know they important
- Know their characteristics
- Ecological importance and life cycles
- Answer # 1-4, 6, pg. 67

Section 3.1: Fungi

- Know why they are important
- Know characteristics
- Know their life cycle and relationship within ecosystems
- Answer #1,4,5, pg. 85

It is also a good idea to go through the unit practice questions starting on page 114.