

Biology Chapter 14: Classification of Organisms

Chapter Objectives:

- Categories of Biological Classification
Taxonomy
Classifying organisms
- How Biologists Classify Organisms
What is a species
Evolutionary history

Vocabulary		<i>At the end of this unit, you should be able to:</i>
1. Taxonomy	19. Phylogenetic tree	<ul style="list-style-type: none"> • Describe Linnaeus's role in developing the modern system of naming organisms • Summarize the scientific system for naming a species • List the seven levels of biological classification • List the characteristics that biologists use to classify organisms • Summarize the biological species concept • Relate analogous structures to convergent evolution • Describe how biologists use cladograms to determine evolutionary histories
2. Binomial nomenclature	20. Dichotomous key	
3. Genus		
4. Family		
5. Order		
6. Class		
7. Phylum		
8. Kingdom		
9. Domain		
10. Biological species		
11. Phylogeny		
12. Convergent evolution		
13. Analogous character		
14. Cladistics		
15. Ancestral character		
16. Derived character		
17. Cladogram		
18. Evolutionary systematics		

