

Ch26 Questions

1. What is the difference between phylogeny, systematic, taxonomy, and cladistics?
2. List the levels of hierarchical classification.
3. What does the binomial nomenclature name of an organism represent?
4. What is the difference between phylogenetic tree and a cladogram?
5. What is the difference between homology and analogy?
6. What types of data is used to infer evolutionary relationships?
7. What is a clade?
8. Define shared ancestral character.
9. What is the difference between monophyletic, paraphyletic, and polyphyletic grouping?
10. What is the principle of maximum parsimony?
11. What is the purpose of studying phylogenies?