

Chapter 18 Review

Match the term with its definition.

Term	Definition
_____ 1. phylogeny	A. The domain containing all organisms that have a nucleus
_____ 2. Bacteria	B. The domain containing organisms that are prokaryotic and unicellular
_____ 3. order	C. A group of classes
_____ 4. phylum	D. A group of orders
_____ 5. clade	E. A group of families
_____ 6. class	F. A group of species that includes a single common ancestor and all descendents of that ancestor
_____ 7. Eukarya	G. A larger, more inclusive category than a kingdom
_____ 8. domain	H. The study of how living and extinct organisms are related to one another

For Questions 9–18, complete each statement by writing the correct word or words.

9. Members of the domain _____ live in some of the most extreme environments on Earth.
10. A(n) _____ is a trait that arose in the most recent common ancestor of a particular lineage, and was passed along to its descendants.
11. Multicellular organisms that move about are placed in the _____ Animalia.
12. Under Linnaeus' classification system, similar genera were placed into a larger category called a(n) _____.
13. Families, Orders, Classes, and Phyla are all _____.
14. The science of naming and grouping organisms is called _____.
15. A(n) _____ shows relative degrees of relatedness among lineages.
16. The name *Ursus arctos* is an example of the two-part scientific name given in the _____ system.
17. A(n) _____ is a group of similar species.
18. A clade is made up of a(n) _____.

5. What is binomial nomenclature?

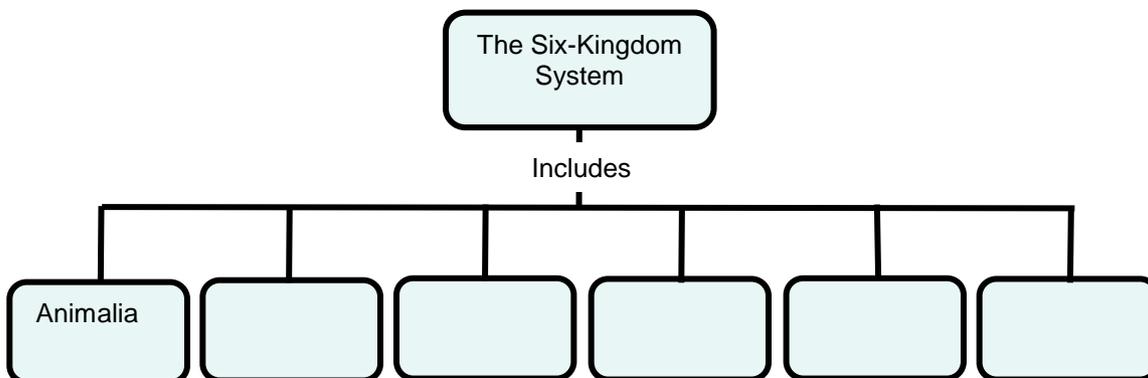
6. What genus does the grizzly bear, *Ursus arctos*, belong to?

7. What is the correct way to write scientific names in the binomial nomenclature system?

Cladograms

For Questions 8–10, complete each statement by writing the correct word or words.

8. A diagram that shows the evolutionary relationships among a group of organisms is called a(n) _____.
 9. The place where the ancestral lineage splits on a cladogram is called a fork, or a(n) _____.
 10. Characteristics shared by members of a clade and only by members of that clade are called _____.
6. Complete the concept map.



7. What is a domain?
