

Chapter
17
Organizing Life's Diversity, continued
Reinforcement and Study Guide
**Section 17.1 Classification,
continued**

In your textbook, read about how living things are classified.

Examine the table showing the classification of four organisms. Then answer the questions.

Taxon	Green Frog	Mountain Lion	Domestic Dog	Human
Kingdom	Animalia	Animalia	Animalia	Animalia
Phylum	Chordata	Chordata	Chordata	Chordata
Class	Amphibia	Mammalia	Mammalia	Mammalia
Order	Anura	Carnivora	Carnivora	Primates
Family	Ranidae	Felidae	Canidae	Hominidae
Genus	<i>Rana</i>	<i>Felis</i>	<i>Canis</i>	<i>Homo</i>
Species	<i>Rana clamitans</i>	<i>Felis concolor</i>	<i>Canis familiaris</i>	<i>Homo sapiens</i>

16. Which taxon includes the most specific characteristics? _____
17. Which taxon includes the broadest characteristics? _____
18. Which taxon includes more species, an order or a family? _____
19. Which taxon includes only organisms that can successfully interbreed? _____
20. If two organisms belong to the same family, what other taxonomic groups do the organisms have in common.

21. Which two organisms in the chart are most closely related? Explain.

22. To which taxa do all four organisms belong?

23. Which class does not include animals that have hair or fur? _____
24. What is the order, family, and genus of a human?

25. Using the information in the chart, what can you conclude about the classification taxa of an organism with the scientific name *Rana temporaria*?

