

Topic 3 Review: Classification

Topic 3 learning targets

- Explain the development of the six kingdoms and three domain systems of classification of organisms.
- Contrast the characteristics of organisms found in each of the six kingdoms and three domains.
- Use a dichotomous key to identify an organism's classification and interpret a cladogram.

1. List the seven taxonomic levels in the correct order starting with the most inclusive.

2. What is an example of binomial nomenclature?

3. In the space below, compare the six kingdoms. Include their domain, organization level, type of nutrition, and an example of an organism from each.

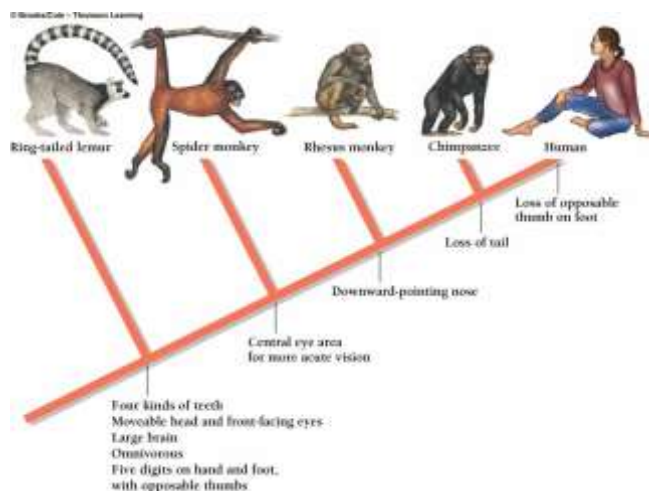
	Archaeabacteria	Eubacteria	Protista	Fungi	Plantae	Animalia
Domain:						
Organization:						
Nutrition:						
Example:						

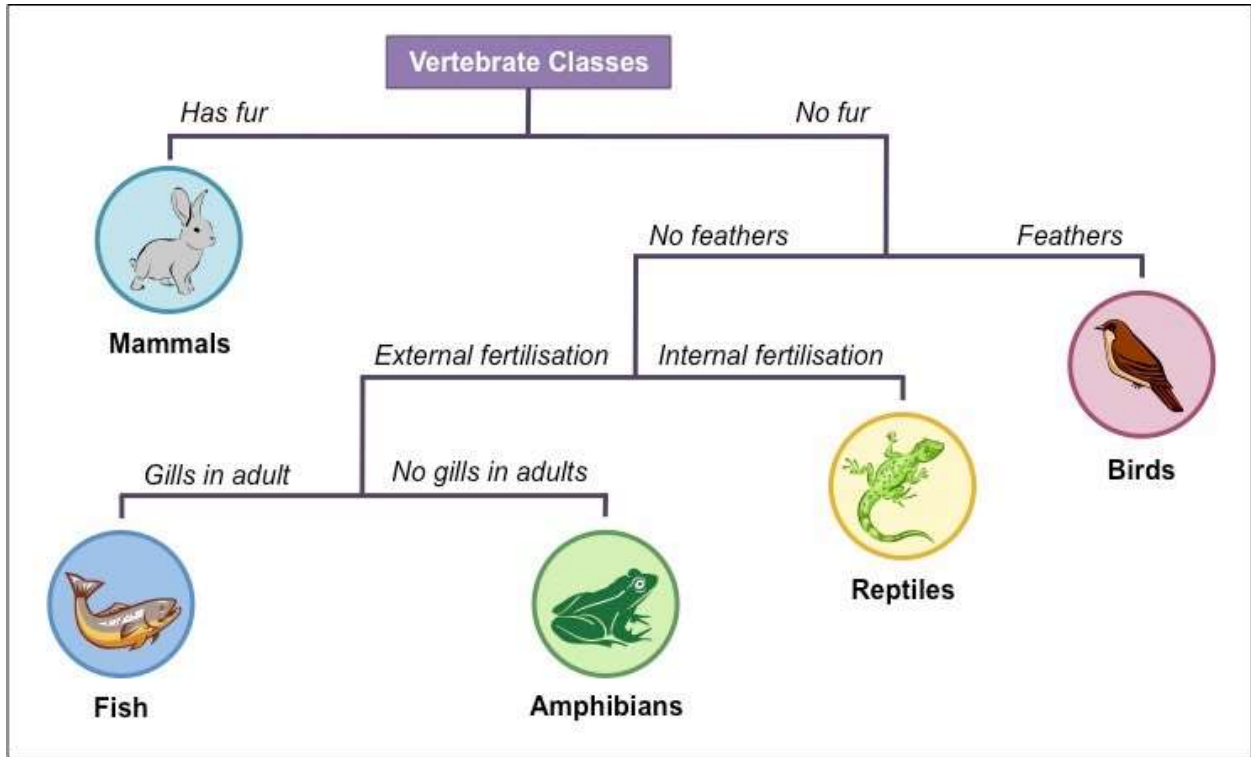
4. What is a cladogram used for?

5. At what taxonomic level do a giant panda and a polar bear deviate from each other?

6. What are the three different types of Archaeabacteria and where are they found?

8. What is a clade? Circle an example in the cladogram to the right.





9. Write the steps from the dichotomous key to get to the fish.

10. Write the steps from the dichotomous key to get to the *Deerus magnus*.

1.	Has green colored bodygo to 2
	Has purple colored body go to 4
2.	Has 4 legsgo to 3
	Has 8 legs <i>Deerus octagis</i>
3.	Has a tail <i>Deerus pestis</i>
	Does not have a tail <i>Deerus magnus</i>
4.	Has a pointy hump <i>Deerus humpis</i>
	Does not have a pointy hump.....go to 5
5.	Has ears <i>Deerus purplinis</i>
	Does not have ears <i>Deerus deafus</i>