

Name \_\_\_\_\_ Per \_\_\_\_\_

**Animals of Interest**

\*Note: The specific common name may be the same as the generic common name depending on the specificity of your generic common name.

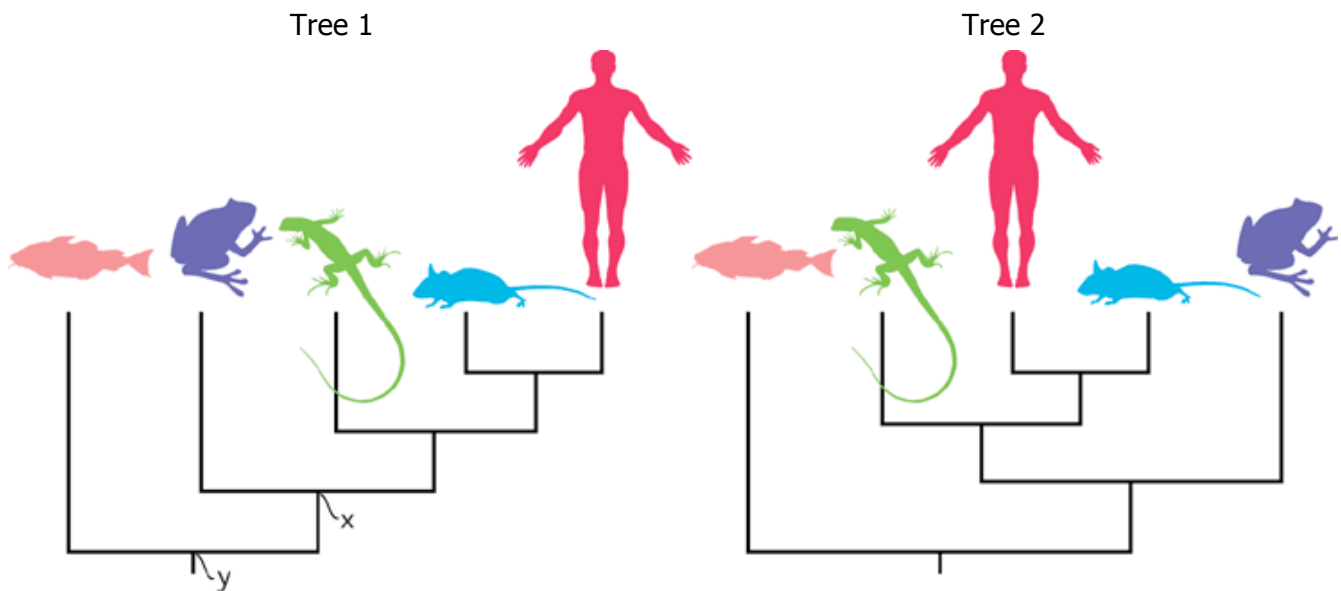
	Generic Common Name (ex. penguin)	Specific Common Name (ex. emperor penguin)	Scientific Name (ex. <i>Aptenodytes forsteri</i> )
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

**Predictions:**

**Results:**

**Discussion Questions:**

Use the two phylogenetic trees provided below to answer the following questions.



1. According to each phylogenetic trees, which animal is most closely related to humans?

Tree 1:

Tree 2:

2. Are lizards more closely related to fish or frogs?

Tree 1:

Tree 2:

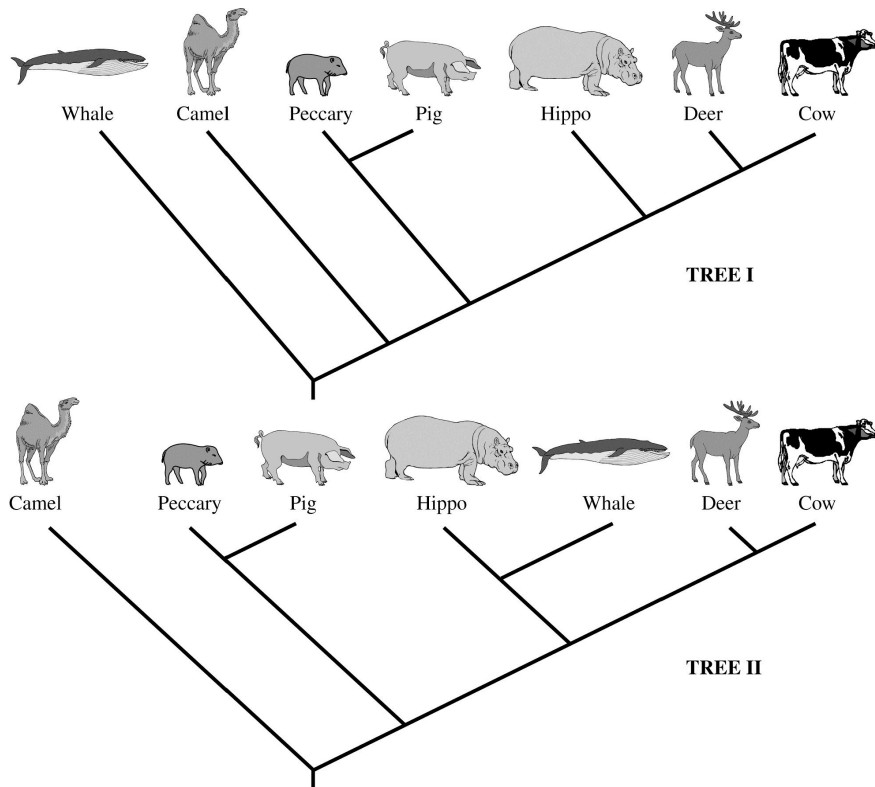
3. Which of these animals diverged from the others the earliest?

Tree 1:

Tree 2:

4. Which of these phylogenetic trees is more accurate? Cite the difference in the information provided by and the format of each to justify your response.

Use the phylogenetic trees provided below to answer the following questions.



5. According to each tree, which species diverged from the others the earliest?

Tree 1:

Tree 2:

7. Describe any differences in the information provided by the two phylogenetic trees. What do these differences imply in terms of evolution?

8. Of the two competing evolutionary histories described by these two trees, which seems more likely to you? Why?