

## Interpreting Graphics - Taxonomy

Answer true or false to the following statements. Use the graphic to determine the answers.

1. \_\_\_\_\_ Dogs belong to the order Felidae.
2. \_\_\_\_\_ A fox belongs to the phylum Arthropoda.
3. \_\_\_\_\_ Snakes belong to the phylum Reptilia.
4. \_\_\_\_\_ Lions belong to the class mammalia
5. \_\_\_\_\_ All arthropods belong to the Class Insecta
6. \_\_\_\_\_ All rodents belong to the phylum chordata.
7. \_\_\_\_\_ All amphibians belong to the class reptilia.
8. \_\_\_\_\_ All primates are mammals.
9. \_\_\_\_\_ The class mammalia includes dogs, cats and rats.
10. \_\_\_\_\_ A lion belongs to the genus Felis.
11. \_\_\_\_\_ All mammals are primates.
12. \_\_\_\_\_ Insects and lobsters are arthropods.



In each set, circle the pair that is most closely related.

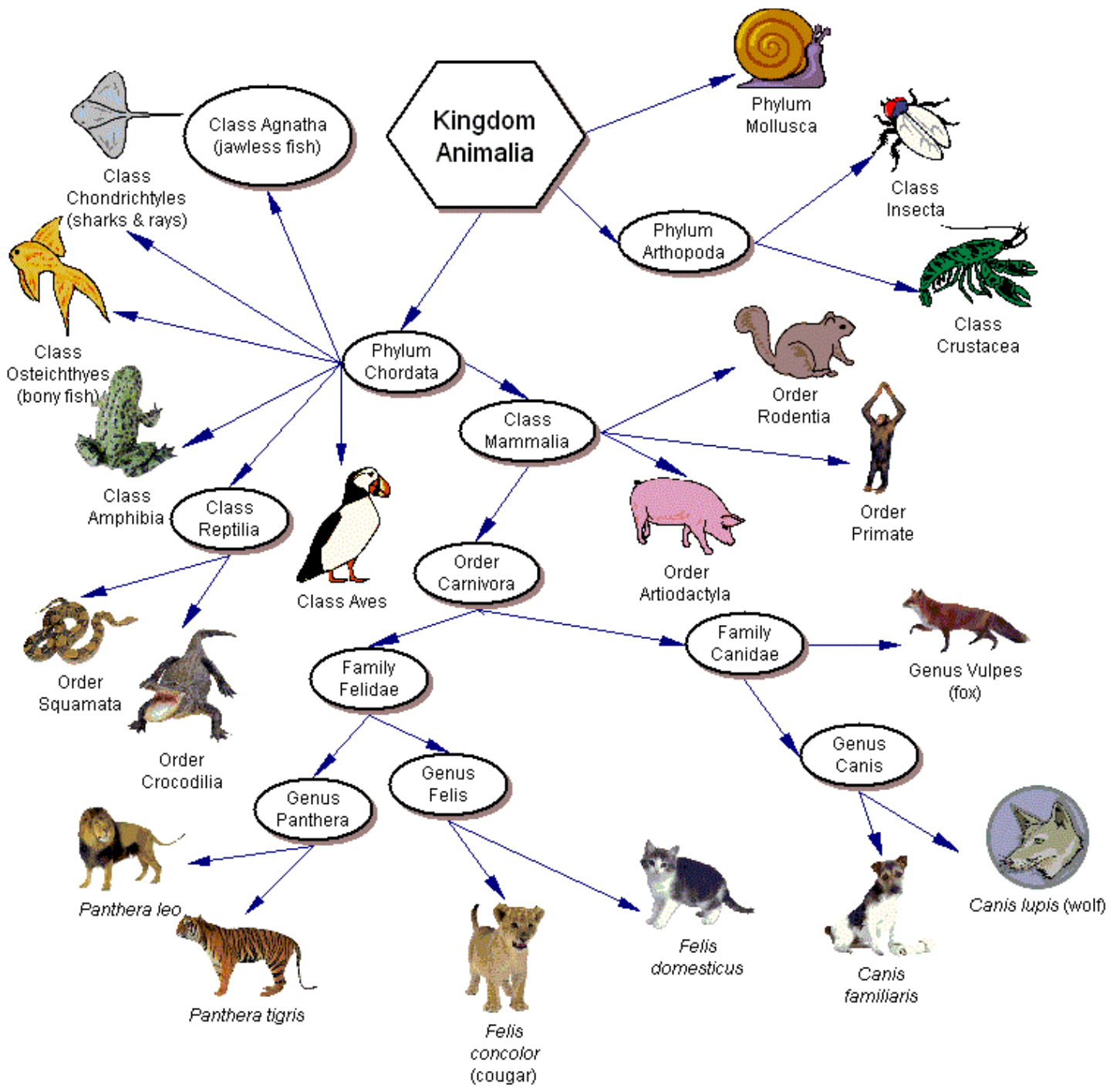
13. snakes & crocodiles | snakes & frogs
14. rats & cats | cats & dogs
15. insects & lobsters | insects & birds
16. lions & tigers | lions & cougars
17. foxes & rats | foxes & dogs
18. cats & dogs | cats & lions

19. List (use species name) all the animals pictured that belong in the Felidae family.

20. The image does not show orders of insects. Suggest three categories of insects that would likely be grouped into orders. Hint: think about what kind of insects there are. Add your three categories to the image.

21. Create an addition to the image given the following information.

- Mollusks are divided into three classes: Class Cephalopoda (squids), Class Gastropoda (snails), Class Bivalve (clams and oysters)
- Cephalopods have a few orders, one of which is Octopoda (octopus) and another is Teuthida (squids)
- The scientific name for the common octopus is *Octopus vulgaris*.
- The scientific name for the common european squid is *Loligo vulgaris*.




(Image made using [Inspiration software](#))

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