

Name: KEY

Date: _____

Interpreting Graphics - Taxonomy

Answer true or false to the following statements. Use the graphic on page 2 to determine the answers.

- F Dogs belong to the order Felidae. *Carnivora*
- F A fox belongs to the phylum Arthropoda. *Chordata*
- F Snakes belong to the ~~phylum~~ ^{class} Reptilia. *Phylum Chordata*
- T Lions belong to the class mammalia
- F All arthropods belong to the Class Insecta *Phylum Arthropoda, Class Insecta*
- T All rodents belong to the phylum chordata.
- F All amphibians belong to the class reptilia. *Class Amphibia*
- T All primates are mammals.
- T The class mammalia includes dogs, cats and rats.
- F A lion belongs to the genus Felis. *Genus Panthera*
- F All mammals are primates.
- T Insects and lobsters are arthropods.

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

- | | |
|---|--|
| 13. <u>snakes & crocodiles</u> snakes & frogs
<i>Class Reptilia</i> | 16. <u>lions & tigers</u> lions & cougars
<i>Genus Panthera</i> |
| 14. rats & cats <u>cats & dogs</u>
<i>order Carnivora</i> | 17. foxes & rats <u>foxes & dogs</u>
<i>Family Canidae</i> |
| 15. <u>insects & lobsters</u> insects & birds
<i>Phylum Arthropoda</i> | 18. cats & dogs <u>cats & lions</u>
<i>Family Felidae</i> |

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

Panthera leo (lion) *Felis concolor (cougar)*
Panthera tigris (tiger) *Felis domesticus (cat)*

20. The diagram 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.

Ants, grasshoppers, butterflies, Beetles, cockroaches
Bees moths

21. Create an addition to the diagram below 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*.

