**Directions:** Use the following tables to answer the questions on the back of this page.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Common Name** | **House Cat** | **Lion**  **http://artistrendezvous.cansonstudio.com/extimage/displayimage?extimg_id=242722** | **Leopard**  **http://www.jwjonline.net/art/Leopard.jpg** | **Gray Wolf**  **http://images1.fanpop.com/images/image_uploads/Wolf-Sketch-wolves-916016_500_375.jpg** |
| **Domain** | Eukaryota | Eukaryota | Eukaryota | Eukaryota |
| **Kingdom** | Animalia | Animalia | Animalia | Animalia |
| **Phylum** | Chordata | Chordata | Chordata | Chordata |
| **Class** | Mammalia | Mammalia | Mammalia | Mammalia |
| **Order** | Carnivora | Carnivora | Carnivora | Carnivora |
| **Family** | Felidae | Felidae | Felidae | Canidae |
| **Genus** | Felis | Felis | Panthera | Canis |
| **Species** | domesticus | leo | pardus | lupus |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Common Name** | **Human** | **Box Turtle**  http://artbyrichardmoore.homestead.com/files/box_turtle_jpeg.JPG | **Banded Mosquito**  http://www.ct.gov/dep/lib/dep/wildlife/images/outreach/kids_pages/mosqcol.gif | **White Oak** |
| **Domain** | Eukaryota | Eukaryota | Eukaryota | Eukaryota |
| **Kingdom** | Animalia | Animalia | Animalia | Plantae |
| **Phylum** | Chordata | Chordata | Arthropoda | Tracheophyta |
| **Class** | Mammalia | Reptilia | Insecta | Angiosperm |
| **Order** | Primates | Chelonia | Diptera | Fagales |
| **Family** | Hominidae | Emydidae | Culicidae | Fagacea |
| **Genus** | Homo | Terrapene | Theobaldia | Quercus |
| **Species** | sapiens | carolina | annulata | alba |

**Directions:** Answer the following questions using the tables from the front of this page.

1. The broadest and largest category of classification is the: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. The smallest or most specific category of classification is the: \_\_\_\_\_\_\_\_\_\_\_\_.
3. All of the organisms except for the \_\_\_\_\_\_\_\_\_\_\_\_\_ are in the **kingdom** Animalia.
4. Which **kingdom** is the tree in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Which **kingdom** is the lion in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. The third largest category of classification is **phylum**. Which **phylum** are we (humans) in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. All of the *animals* except for the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ are in the **phylum** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. The animals in the **phylum** chordata all have a backbone. Does a turtle have a backbone? \_\_\_\_\_\_\_\_\_
9. The **phylum** Tracheophyta means plant that pumps water up into its leaves. Which organism is in this **phylum**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. The fourth category is the **class**. Which **class** are mosquitoes in? \_\_\_\_\_\_\_\_\_\_
11. Which **class** are box turtles in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
12. Which **class** are humans in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Name another organism in the same **class** as humans, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
14. White Oak Trees are in the **class** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. This means they produce flowers.
15. The next classification is **order**. Name four animals in the same **order**.

\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Apes and humans share the same **order**, which means animals that stand on two feet. Which **order** is this? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The sixth category of classification is **family**. Are dogs and cats in the same family? \_\_\_\_\_\_\_\_\_\_\_\_
3. Which **family** are house cats in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Are all cats in this **family**? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The seventh category of classification is **genus**. Animals in the same **genus** are closely related. Which animals share the same **genus**?

\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_

1. The last and smallest category of classification is called \_\_\_\_\_\_\_\_\_\_.
2. What is the **species** name for humans? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The **genus** and **species** make up the scientific name. What is the scientific name for humans? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What is the scientific name for a house cat? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Which two organisms are most closely related? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_ How do you know? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_