Ch 17 cladogram review

Remember this is not everything; this is just to get you started

1. What is a phylogenetic tree?
2. What is a cladogram?
3. What is a dichotomous key?
4. How are the three different?
5. Who came up with binomial nomenclature?
6. Write an example- either the directions or use the name for humans.
7. For a fish, frog, lizard, cat, and lion draw and label a cladogram.
8. Using the information in the chart below, where did the two species diverge?

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| --- | --- | --- |
| Eukaryia | Domain | Eukaryia |
| Animalia | Kingdom | Animalia  |
| Chordata | Phylum | Chordata |
| Mammalia | Class | Mammalia |
| Carnivora | Order | Carnivora  |
| Ursidae | Family | Ailuridae |
| *Ailuropoda*  | Genus | *Ailurus*  |
| *melanoleuca*  | Species  | *fulgens* |
| Panda bear |  | Red panda |