Name:_____ Per._____ Date: _____

Making a Cladogram

Cladograms are used to show evolutionary relationships between different species.

Select 4 species and 4 very broad characteristics to differentiate the species.

Pick your species first, and then select traits by what they all share and then get specific.

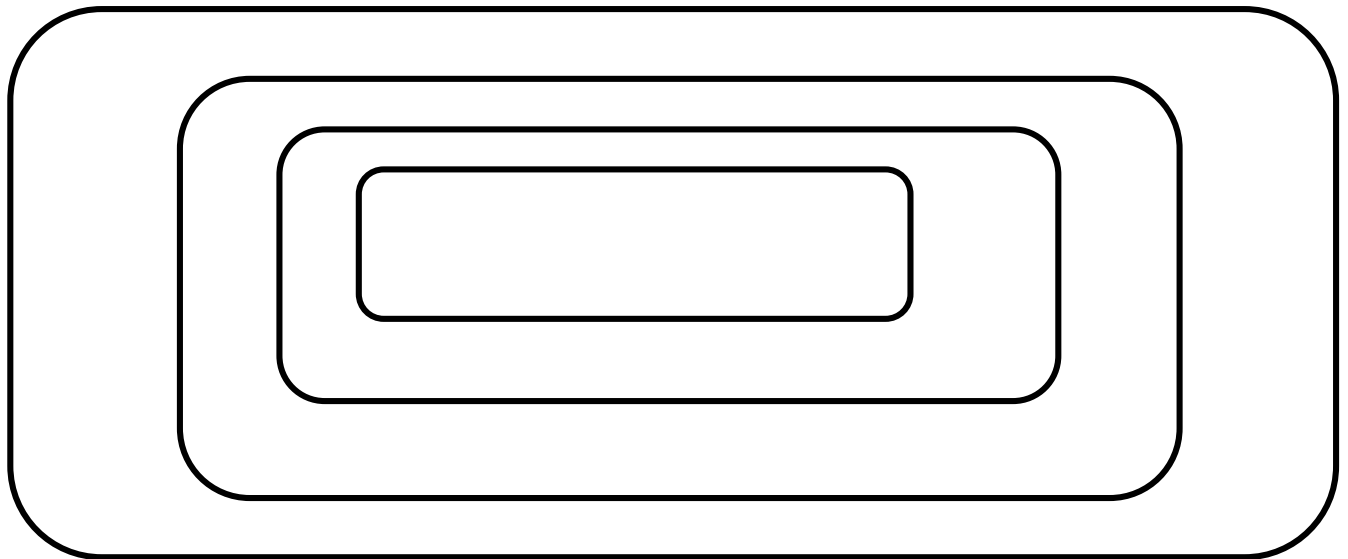*Example species) toad, horse, chimpanzee, human*

Example characteristics) vertebrae, hair, paired legs, tail loss

Enter your selections and then place an X in the spaces where a species demonstrates each characteristic

Derived Characteristics	Species #1: _____	Species #2: _____	Species #3: _____	Species #4: _____
Totals (add up totals for each species):				

Whichever species has the *least* derived characteristics is your outgroup.

Use the Venn diagram to demonstrate your Chart.

Draw your cladogram on the back of this paper based on your chart and Venn diagram.

Include your species names and derived characteristics.