Phylogenetic Tree Construction Activity

1. Pick four species to evaluate
2. Based on characteristics, place them in a phylogenetic tree (instructions on creating a tree are as follows). Explain why you placed each species on the certain position on the phylogenetic tree. [
3. Rank the rRNA differences from the “ancestral lineage” with 1 being most similar and 4 being most different. Provide an explanation of the ranking you chose.
4. With each unique trait, provide an explanation on:
	1. Why does it help it stay alive? [proof of life slide]
	2. How does it help it adapt to its environment? [evolution via natural selection slide]







