

Cladogram/Phylogeny Tree Activity

Recall:

1. Organisms that have the **fewest** traits branch of **first**.
2. Organisms that have the **most** traits branch of **last**.
3. If 2 organisms have very **similar** traits or DNA they should be really **close** on the phylogeny tree.
4. If 2 organisms have very **different** traits or DNA they should be really **far apart** on the phylogeny tree.
5. Traits that lots of organisms have evolved **early** on.
6. Traits that only a few organisms have evolved **later** on.

Use the video previously viewed and the information above to complete the phylogeny tree activities. Create a phylogeny tree given the following information.

Organism	Vascular Tissue	Flowers	Seeds
A Moss	0	0	0
B Pine tree	1	0	1
C Flowering plants	1	1	1
D Fern	1	0	0
Total	3	1	2

Organism	Feathers	At least a 3 Chambered Heart	Egg Layer
Snake	0	1	1
Frog	0	0	1
Bird	1	1	1
Bacteria	0	0	0
Total	1	2	3