

Name _____

Pre-Lab: Eukaryotic Cells & “c-ferns”

1) Using *Campbell*, the Lab Atlas, and the OLLM, draw a rough sketch and briefly describe the following organisms:

i) *Amoeba*

ii) *Paramecium*

iii) *Vorticella*

iv) Diatoms

2) Using the information in *Campbell*, and using the phylogenetic tree on page MolPhyl-2 of the Lab Manual as a model, draw a phylogenetic tree that includes the following organisms. You do not need to include information about when the last common ancestor existed. Do include the names of the kingdoms and phyla. Please draw it on the back of this sheet.

- humans
- *Paramecium*
- c-ferns (they are regular ferns)
- *Volvox*
- *Vorticella*

3) Which two organisms are the most closely-related?

