**Videos: Reading Phylogenetic Trees:** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ # \_\_\_\_\_\_

Watch <https://www.youtube.com/watch?v=RVW8iIEfiZI>

Questions:

1. Define: root-
2. Define: node-
3. Define: sister taxa
4. Define: outgroup
5. Distinguish between cladogram and phylogram (Phylogenetic tree)-
6. Define: monophyletic group (aka clade)-

7. To find the # of clades, find the # of \_\_\_\_\_\_\_\_\_\_.

8. Define: paraphyletic-

9. Define: polyphyletic-

10. Give at least FOUR common misconceptions:

Watch <https://www.youtube.com/watch?v=5AElW2omY6k>

Question:

1. Give 4 possible ways to read the tree.
2. Which 2 methods were correct?

Watch this video on Parsimony & take notes: <https://www.youtube.com/watch?v=t0iAm-JQcrs>

**CW**: Give worksheet, solve in class (pencil) and then show video for solutions.