

# Caminalcules Worksheet

## Part I. Classification of Living Caminalcules

Show your classification scheme by dividing each line in the chart into the appropriate number of sections for the Orders ( $O_1, O_2, \dots$ ), Families ( $F_1, F_2, \dots$ ), Genus ( $G_1, G_2, \dots$ ), and Species (1–14).

<b>Class</b>	<b>Caminalcule</b>													
<b>Orders</b>														
<b>Families</b>														
<b>Genus</b>														
<b>Species</b>														

## Part II. Examining the Fossil Record

After examining the various phylogenetic trees, answer these questions.

1. How were the various phylogenetic trees similar?
  
  
  
  
  
  
  
2. What forces may have caused various changes in the Caminalcules population over time?
  
  
  
  
  
  
  
3. What might a newfound fossil do to your phylogenetic tree?
  
  
  
  
  
  
  
4. What other information about Caminalcules might help in reshaping a phylogenetic tree?
  
  
  
  
  
  
  
5. What might explain any “dead-ends” in the Caminalcules phylogenetic tree?