

# Classification & Evolution Lab

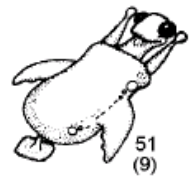
## Instructions

Materials:

- Caminicule Pictures from the website
- Caminicule Evolution Chart from the website
- A Ruler
- Scissors
- 4 – 6 sheets of blank paper

Activity #1 – Create a Phylogenetic Tree

1. Look at the 2 pages of Caminicules. They are all related to various degrees.
2. They each are numbered. The number in parentheses is included for any caminicule that has been found as a fossil. The number describes how old the layer of rock was that the fossil was found in. For example, #51 was found in rock that was 9 million years old.
3. You need to try to arrange them on the Evolution Chart according to their characteristics and age. (See the Sample Phylogenetic Tree on the website for another student's work. The answer key is also on the website).



Activity #2 – Caminicule Tree

1. Tape several sheets of paper together and draw lines to divide it into 20 layers like the tree you just finished.
2. Cut out all of the Caminicules
3. Glue them to the paper in the same order you have them written on the phylogenetic tree. (See Sample Caminicule tree on the website)

Activity #3 – Create a story

1. The last thing is to create a story that explains what the world must have been like where each of the different types of caminicules evolved. Explain the environmental changes (climate, food, predators) that caused the changes in the fossil record. If an organism went extinct, explain what might have caused it. It is your story, be creative.