**Lesson 3 Identifying Characteristics of Arthropods**

The 18 cut outs in front of you are imaginary members of the Arthropod phylum. Your task is to sort them according to similar and different characteristics. Then you will apply your classification skills in building a classification tree for the imaginary arthropods.

A. With your partner, identify characteristics that could be used to sort the imaginary arthropods.

1.

2.

3.

4.

5.

B. Find a way of categorizing the imaginary arthropods according to similarities. The imaginary arthropods must be separated into at least 8 different piles at the last branch of your classification tree. Use the given classification tree to do this.

C. Could you change the order that you sorted them by? If so, use the classification tree to do this.

D. When done mix up the pieces and put them in one pile.