

Name: \_\_\_\_\_

Date: \_\_\_\_\_

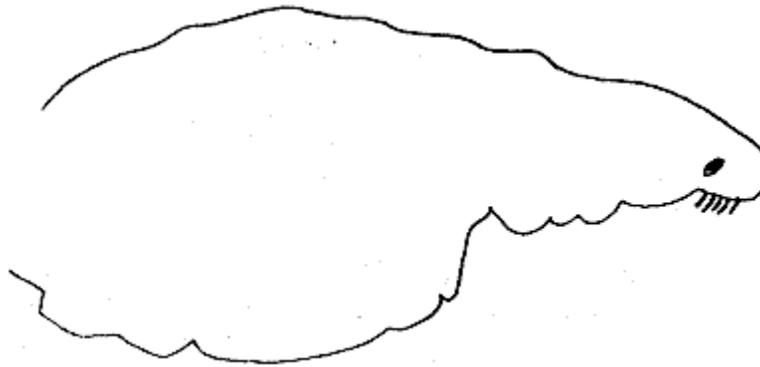
### OBSERVING THE FLEA: LAB #10

Purpose: To better understand the flea by observing its microscopic appearance.

Materials: DVD, Adventures with a Microscope, Microscope, prepared slide of a flea

Procedure:

1. Watch the short section on the flea on your DVD (video)
2. Set your microscope to the lowest power and place the flea slide on the stage.
3. Complete the drawing below. Include as much detail as possible.



4. With lines and arrows, identify the genal comb, pronotal comb, eye and antenna. Draw in all the bristles on the head (accurately) between the pronotal and genal combs.
5. Count the number of "teeth" on the genal comb. Answer: \_\_\_\_\_
6. Is your specimen a male or female? \_\_\_\_\_ How do you know?
7. Estimate the size of your flea: \_\_\_\_\_ mm
8. Observe the pygidium (sense organ at the back end). Use a convenient power and count the number of pits. How many do you count?
9. Explain what you learned by doing this lab: \_\_\_\_\_