

# Arthropod Walk Around Lab

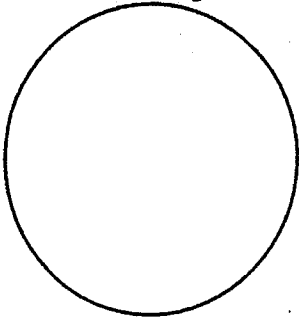
## Part A: Subphylum Uniramia

- 1) What does the name Uniramia mean? \_\_\_\_\_
- 2) What arthropods are in this group? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- 3) Check out the insect collection:  
Who belongs in the following orders (Kingdom, phylum, class, **order**)

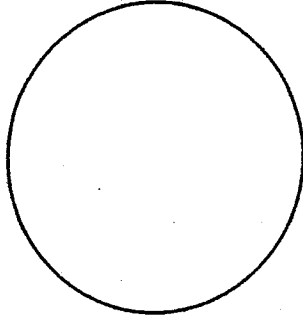
- A) Lepidoptera \_\_\_\_\_ C) Hymenoptera \_\_\_\_\_  
B) Diptera \_\_\_\_\_ D) Coleoptera \_\_\_\_\_

- 4) Check out the microscopes: Draw what you see and label each drawing:

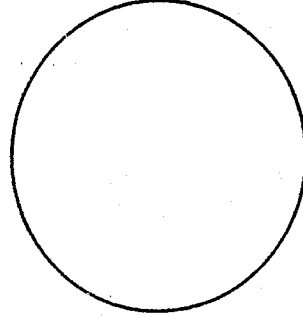
Microscope 1



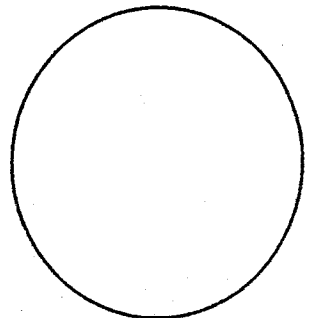
Microscope 2



Microscope 3



Microscope 4



- 5) What are three characteristics of insects that set them apart from other arthropods (just observe them)  
a) \_\_\_\_\_ b) \_\_\_\_\_ c) \_\_\_\_\_

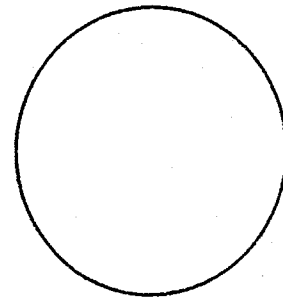
## Part B: Subphylum Crustacea:

Microscope 5

Draw the small crustacean in the microscope:

What do you notice about its digestive tract

Complete or incomplete? Explain:



- 6) Name three characteristics of Crustaceans that set them apart from other arthropods:

- A) \_\_\_\_\_ B) \_\_\_\_\_ C) \_\_\_\_\_

There are 4 classes of small crustaceans and 2 classes of larger crustaceans:

- A) \_\_\_\_\_ C) \_\_\_\_\_ E) \_\_\_\_\_  
B) \_\_\_\_\_ D) \_\_\_\_\_ F) \_\_\_\_\_

Crustaceans: Draw the following crustaceans and give two characteristics of each:

Copepod					

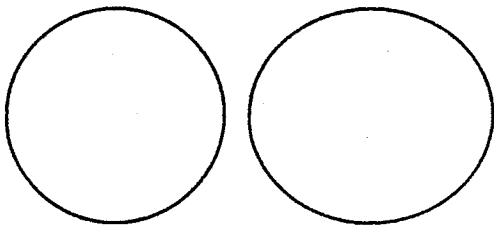
Find the Decapods:

7) What three main arthropods are included here?

A) \_\_\_\_\_ B) \_\_\_\_\_ C) \_\_\_\_\_

7) Find two model specimens and count their legs: How many? \_\_\_\_\_

Draw the abdomen of a female crab and the abdomen of a male crab?



**8) Why are their abdomens different?**

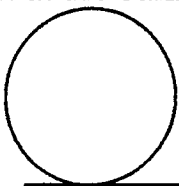
8) Touch the sample exoskeletons: What are they made of?

A) \_\_\_\_\_ & \_\_\_\_\_

9) Barnacles

Look at the barnacle in resin with its legs or \_\_\_\_\_ sweeping out of its plates.

Draw it:



How is a barnacle different from a mollusk?

Part C: Subphylum Chelicerata:

10) Who is included in this subphylum? A) \_\_\_\_\_ B) \_\_\_\_\_ C) \_\_\_\_\_

11) What are the distinct characteristics of the chelicerates?

12) Check out the chelicerates in the resin block!