

For this activity you will be working in your lab notebook. Start on a fresh page with the title listed below. Please be sure to update your table of contents

I. *Title:* A Survey of Invertebrates

II. *Introduction:*

A. BACKGROUND INFORMATION

For each of the major phyla of invertebrates give a brief description of what their characteristics are and provide an example of each. Sources you might use: [HERE](#), [HERE](#), and [HERE](#)

Phyla you should include are:

- Porifera
- Cnidaria
- Ctenophora
- Platyhelminthes
- Aschelminthes (Nematoda)
- Annelida
- Arthropoda
- Mollusca
- Echinodermata

Cite any sources you use using [in-text citation](#) in MLA format)

B. PURPOSE (copy the following purpose into your notebook) We are performing this survey in order to gain a better understanding of the variety of invertebrates and where they might be found in a river ecosystem.

III. Methods:

MATERIALS In your notebook record what samples of invertebrates are supplied.

PROCEDURE: In your notebook copy down the following procedure

1. Carefully observe each of the invertebrates provided.
2. Record your observations in the Observation Table (see below)
3. Using a PENCIL and $\frac{1}{2}$ page of your notebook for each make careful sketches of at least 2 different specimens. Be sure to label features and describe the specimens.
4. Research the examples provided for habitat and life history information

IV. Data: Create the table below in your notebook. Be sure to leave plenty of space for recording your observations & information.

Specimen	Observations	Phylum	Habitat	Life History
Snail				
Butterfly				
Worm				
Jelly Fish				
Cicadas				
Beetle				
Seastar				
Slug				

V. *Analysis*:

- Describe what is similar among all of the invertebrates you have observed.
- For the two specimens you sketched briefly compare & contrast their characteristics, including their form, life history, and evolutionary adaptations (a Venn Diagram or T chart would be OK, or a written response).

VI. *Sources*: include a complete listing in MLA format