

Culverts and Stream Ecology Macroinvertebrate Resident Expert

Name: _____

Aquatic Invertebrates Research

We will soon be spending time at our research stream- collecting insects and other aquatic invertebrates. You must become a resident expert on one or two of the types of invertebrate we might find at the stream. You will be responsible for researching your macroinvertebrate(s) and sharing your information with the class. You may be responsible for more than one organism.

Choose one group or organism to investigate and circle it:

Black Fly	Water Scorpion	Cranefly
Brush-legged Mayfly	Backswimmer	Roach-like Stonefly
Crayfish	Dobsonfly or Hellgrammite	Giant Stonefly
Midges	Common Stonefly	Winter Stonefly
Small Minnow Mayfly	Damselfly	Long-horned Case-maker Caddisfly
Spiny-crawler Mayfly	Snail	Northern Case-maker Caddisfly
Predacious Diving Beetle	Riffle Beetle, adult	Giant Case-maker Caddisfly
Dragonfly	Flat-head mayfly	Scud
Water Strider	Saddle case-maker caddisfly	Water Boatman

For your macroinvertebrate, find the following information:

1. What is the common name and scientific name of your organism?
2. What are the feeding habits of your organism? Who or what does it eat? Who eats it?
3. What is the life history of your organism? How does it develop through its lifetime? How long does it live?
4. What characteristics are used to classify your organism? What makes your organism unique (what are its unique actions or looks)? What will it look like while it is in the water? What should we look for to know your organism when we see it?
5. What water quality does your organism need? Is it sensitive to pollution? What water speed does it need? Are there any other features of the environment that are important to it?

How will you present your research?

Here are some options: Short video, slide show, poster, a short play in which one of your macroinvertebrate meets another one (what would they do?). Information should be presented neatly, using good grammar and spelling.