

# Identification of Macroinvertebrates

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#### **Introduction:**

*Macroinvertebrates are useful organisms to collect from streams because they can be used as water quality indicators. In April's meet, you will be identifying various macroinvertebrates to the Order or Phylum level. You will also be responsible for knowing common sampling techniques to collect specimens. Knowledge of basic biology and common names of each Order/Phylum is expected. The event will be in a station format with either pictures or live/preserved specimens.*

#### **ORDERS**

Ephemeroptera  
Trichoptera  
Plecoptera  
Odonata  
Hemiptera  
Collembola  
Decapoda  
Isopoda  
Amphipoda  
Cleoptera

#### **PHYLUMS**

Mollusca  
Platyhelminthes  
Annelida

#### **Additional Information You Should Know:**

- Indicator Species
- Common Sampling Techniques
- Complete vs. Incomplete Metamorphosis