

# Byron Middle School 7th grade Science



## Byron, Illinois Fall 2010

Magnification used: *medium*  
Movement/Behavior: *moving*

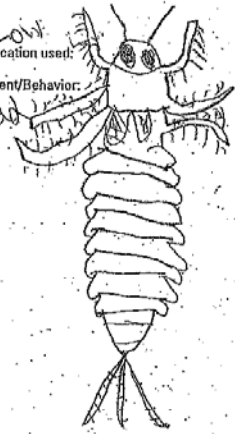
Sketch:



Name: *Freshwater Oligochaets*

Magnification used: *Low*  
Movement/Behavior: *dead*

Sketch:



Name: *Ephemeroptera*

Students collected water samples from several ponds and other freshwater sources in the area.

During the week of October 15 - 19, students used light microscopes and dissecting microscopes to identify as many macro invertebrates and microscopic organisms as they could find. They drew pictures of the specimens and used keys to Protozoa, Algae, and Freshwater Organisms to help with identification.

**Question:** Are the organisms found in pond water the same all over the world?

**Hypothesis:** 81% of the 7<sup>th</sup> grade students stated that the organisms would be **DIFFERENT** in other places because the climate is not the same all over the world.

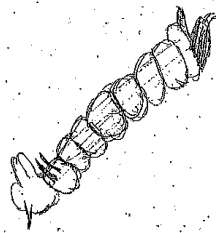
### Data Collected:

#### Macro Invertebrates

Caddis fly larvae	1
Dragonfly nymph	1
Mayfly nymph	1
Midge larvae	6
Diving Beetle	4
Water boatman	0
Snails	0
Clams	0
Bristle worm (Oligochaete)	8

Magnification used: *low power*  
Movement/Behavior: *swimming around, trying to get out.*

Sketch:

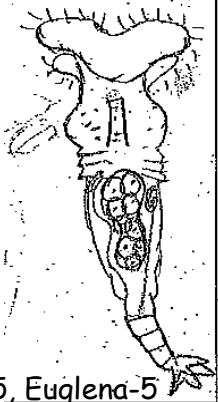


Name: *invertebra*

#### Micro Organisms

Nematodes	17
Cyclops (Copepod)	11
Water mites	4
Seed shrimp (Ostrocod)	17
Water fleas (Cladocera)	16
Flatworm (Planaria)	4
Rotifers	>50
Protozoans:	
Ciliates -	>100

Name: *diving beetle*



Vorticella -9, Halteria-6, Coleps-5, Euglena-5

#### Algae:

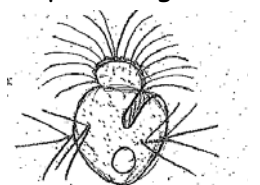
Spirogyra	18	Diatoms	>25
Osillatoria	2	Dinoflagelates	2
Desmids	14	Pedastrum	22
Pediastrum	>22		

Tardigrada 2!!

Sketch:



Name: *Water Bear*



*Halteria Grandinella*