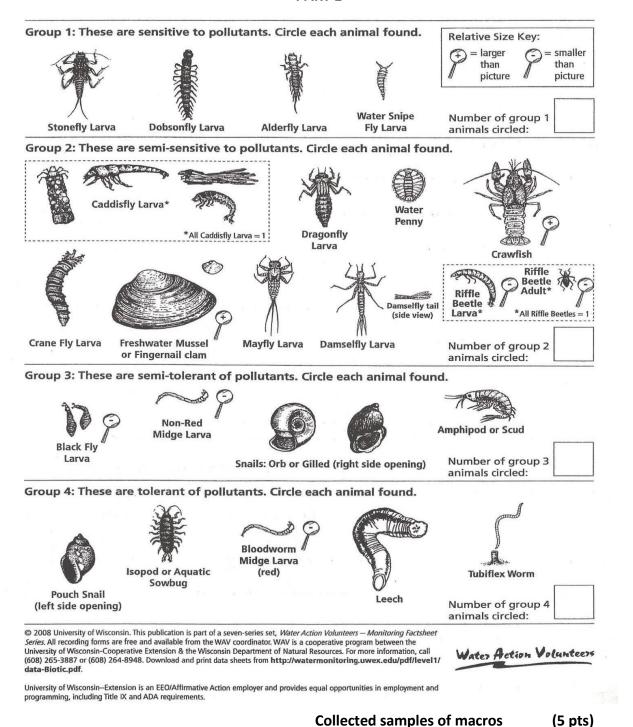


# MACROINVERTEBRATES INDOOR LAB

#### **TEAM MEMBERS:**

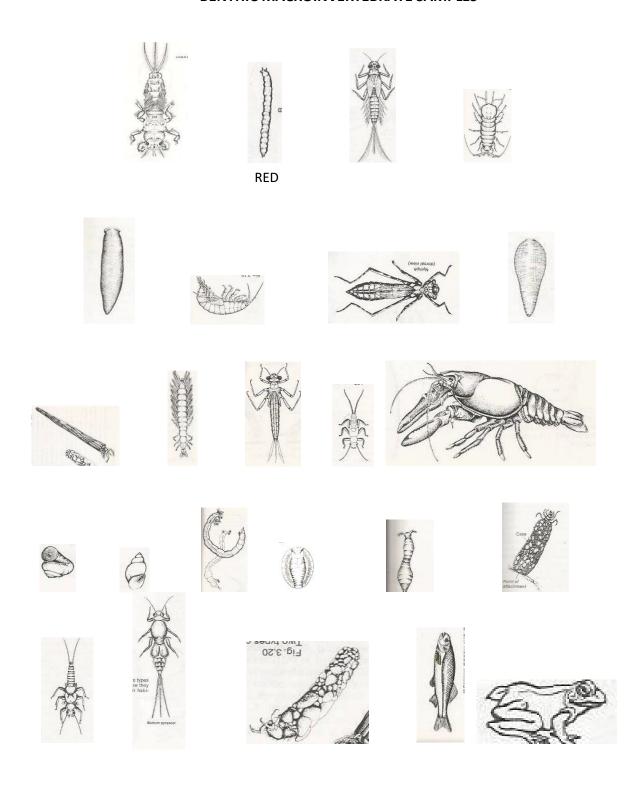
#### PART 1

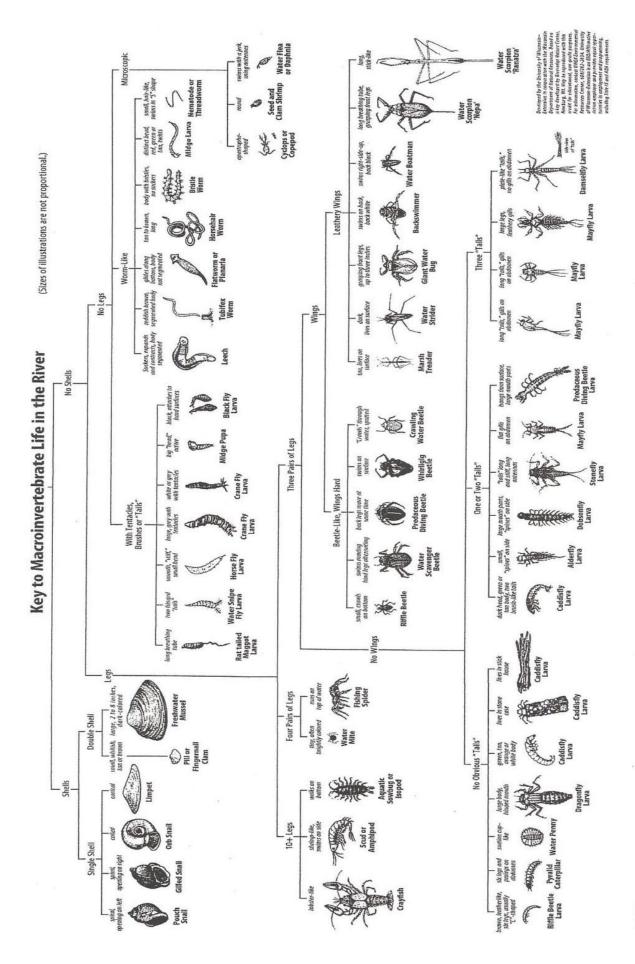


### PART 2

1. Calculate how many of each category of benthic macroinvertebrates you have counted and multiply by the designated number. (A) (B) X 4 = Number of animal types from group 1: Sensitive \_\_\_\_X 3 = \_\_\_\_ Number of animal types from group 2: Semi-sensitive Number of animal types from group 3: Semi-tolerant \_\_\_\_X 2 = \_\_\_\_ Number of animal types from group 4: Tolerant X 1 = \_\_\_\_ TOTAL NUMBER OF ANIMAL TYPES (A) TOTAL VALUE AFTER MULTIPLYING (B) **Calculated Total Values** (5 pts.) 2. Calculate the *Index Score*: divide the total value of (B) by the total number of animal types (A). 3. The *Index Score* will tell us how healthy our lake/river/wetland is. Circle the appropriate health: Excellent (index score of 3.6 or higher) Good (index score of 2.6 - 3.5) Fair (index score of 2.1 - 2.5) (index score of 1.0 - 2.0) Poor **Calculated Index Score** (5 pts.) 4. How did the various types of macroinvertebrates in your sample support your evaluation of the lake? Determined "Health" of lake area (5 pts.) 5. List some characteristics that may be affecting the health of the lake area based on the index score that you calculated. Comment about water resource (5 pts.) ( 25 pts.) TOTAL MACRO POINTS

## **BENTHIC MACROINVERTEBRATE SAMPLES**





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