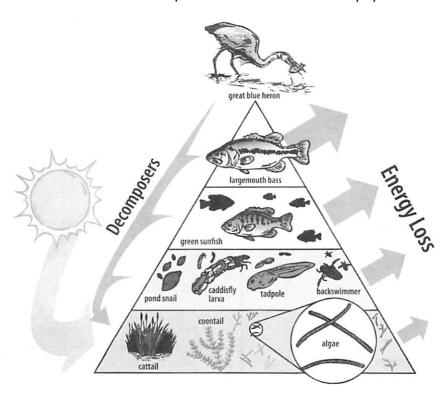
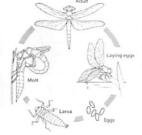
## BENTHIC MACROINVERTEBRATES

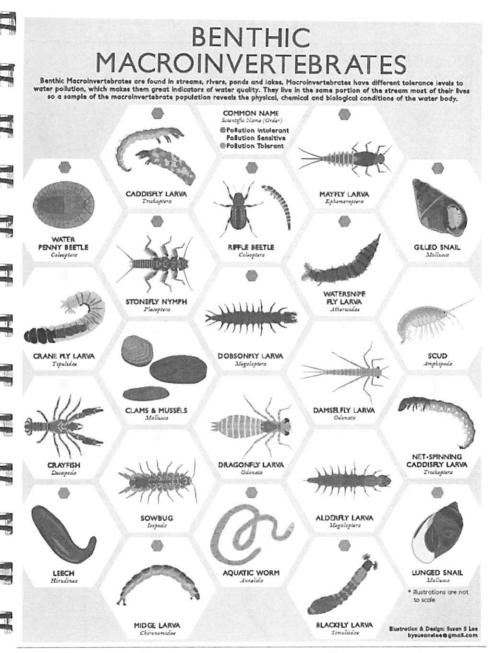
Benthic macroinvertebrates are an integral part of stream and lake *ecosystems*. These organisms may spend all or part of their lives in water; usually their immature phases (larvae and nymphs) are spent entirely in water. A variety of environmental stressors can impact macroinvertebrate populations.



Life Cycle of a Dragonfly

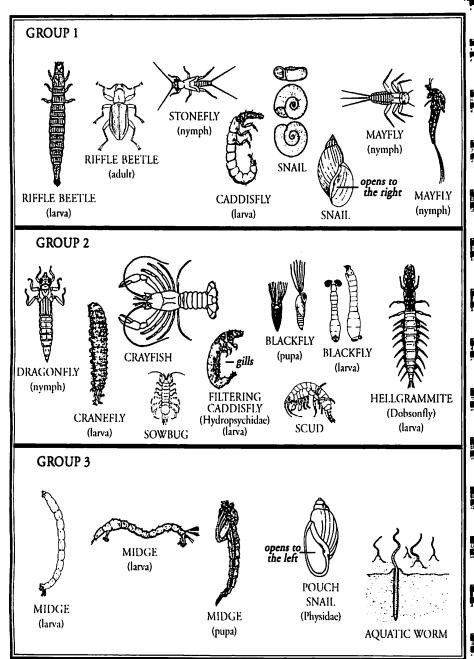


Mayflies, stoneflies, caddisflies, and many other insects have a similar life cycle to the dragonfly.



Do any of the macroinvertebrates that were collected look like these?

## MACROINVERTEBRATE POLLUTION TOLERANCE GROUPS



**Group 1** organisms are generally pollution intolerant. Their dominance generally signifies excellent to good water quality. **Group 2** organisms exist in a wide range of water quality conditions. **Group 3** organisms are generally tolerant of pollution. Their dominance usually signifies fair to poor water quality.