

Sizes shown are for mature larvae/nymphs or adult animals, but individuals in earlier stages of development may be significantly smaller

# Explore & Restore Maryland Streams Key to Stream Macroinvertebrates

Companion to the Explore & Restore Stream Health Data Sheet



## NO LEGS

Shell

No shell

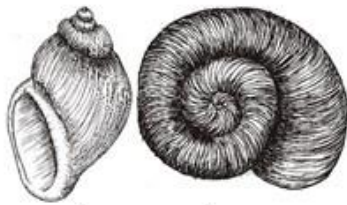
Single

Double

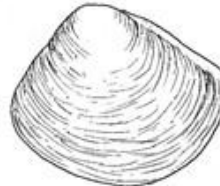
**Gilled snail**  
Spiral, open on right



**Lunged snail**  
Spiral with opening on left or coiled



**Clam**  
Small, whitish tan or brown



**Mussel**  
Large (upto 5"), elongate, dark in color



**Leech**  
Suckers, expands and contracts, soft, slimy body



**Midge**  
Dark head, body white, gray or reddish



**Aquatic worm**  
Small, hair-like or thicker like earthworm, can reach 2 1/2" long



**Black fly**  
Black head, shaped like a bowling pin



**Crane fly**  
Plump, grub-like, often can see guts



**Planaria**  
Flat, triangular head, soft, unsegmented body



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## LEGS

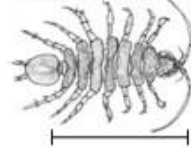
10+ legs

3 pairs of legs

**Crayfish**  
Lobster-like, can reach 6" long



**Aquatic sowbug**  
Two long antennae, flatter top to bottom



**Scud**  
Shrimp-like, swims on side



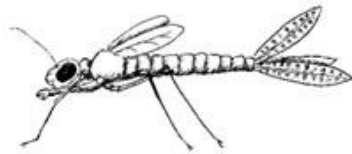
2 tails

**Mayfly**  
Thread-like tails, gills along abdomen



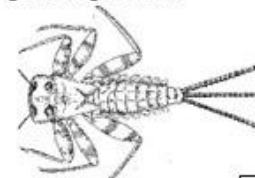
**Damselfly**

Paddle-like "tails", no gills along abdomen



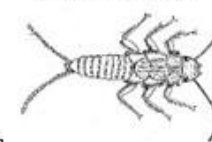
**Mayfly**

Thread-like tails, gills along abdomen



3 tails

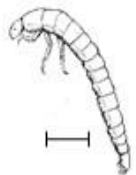
**Stonefly**  
Thread-like tails, gill tufts under legs



No obvious tails

**Riffle beetle**

**Larva**- Brown, hardened body, no gills on abdomen



**Adult**- small, dark, crawls on bottom



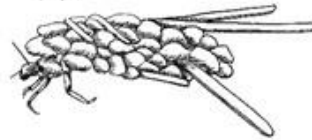
**Water penny**

Flat, oval disk



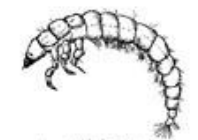
**Casemaker caddisfly**

Maybe housed in a case of sticks, stones, sand or leaves



**Net spinning caddisfly**

Dark head, tan, green or orangish body, gill tufts may be present on abdomen, 1 or 3 armored plates behind head



**Dragonfly**

Large eyes, bullet shaped or leaf-like body



**Hellgrammite**

Large pinching jaws, feelers down sides, can reach 4" long

