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Matching Young to Adults









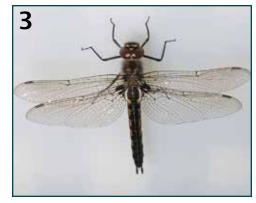
Can you match the young water bugs, called larvae or nymphs, to their adults?

Aquatic macroinvertebrates are "bugs" that spend some or all of their lives underwater, are big enough to see with the naked eye, and don't have backbones.

These four kinds of macroinvertebrates are all insects that begin their lives underwater. After the larvae or nymphs change through metamorphosis, the adults fly around and live near the water.









Answers: mayfly-4, caddisfly-1, stonefly-2, dragonfly-3

Scientist's Field Notebook

Explore a small section of your stream to see if it is a good place for creek critters to live! For each section below, check off the boxes of what you observe and find. Have fun!

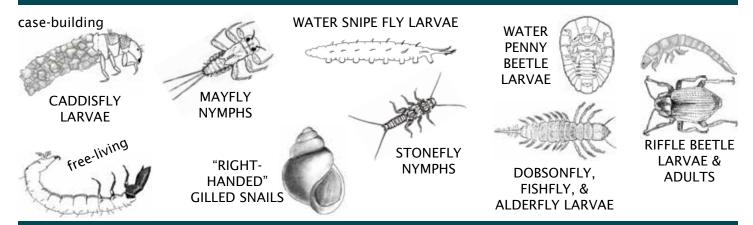
Don't forget to bring: copy or download (www.arbordalepublishing.com) this page to take with you, pencil, clear plastic cup (or mason jar) to take a sample of stream water, shoes for getting in the stream and exploring the nearby forest, and a buddy!

Your Name:			Date:	
Stream/River Nav	ne:	Tíme:		
Current Weather	Chec	ck the Stream Water	Part 1	
Sunny 🬞	Water Color	Smell	l Clarity	
Cloudy	Clear	Dead fish	Clear	
Partly Cloudy	Brown	Rotten Eggs	Cloudy	
Rain 🌨	Green	Chlorine	Fill up a clear cup with stream water for these tests!	
☐ No Rain	Orange	☐ Gas/Oil		
	☐ Blue	☐ Nothing		
	Other:	Other:		
l Also See:		Check the Stream Water Part 2		
Fish	Buildings	Water Surface	Water Level	
☐ Plastic	Birds	Nothing	Flood	
Bridge	Road	Algae	High	
Farm Animals	Other:	☐ Oil	☐ Normal	
Tires		☐ Foam	Low	
		Other:	☐ Dry	
			<u> </u>	
Site Notes:				
Site Notes.				

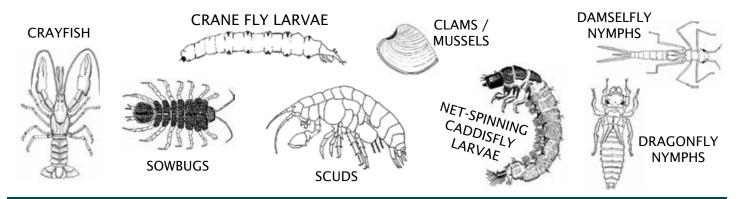
Is Your Creek Healthy? Ask the Critters!

Aquatic macroinvertebrates (macros) can be grouped by how sensitive they are to pollution or dirty water. A healthy creek should support many sensitive macros. Macros in every group have special jobs in the creek. Scientists want to find many different kinds of macros and lots of each kind!

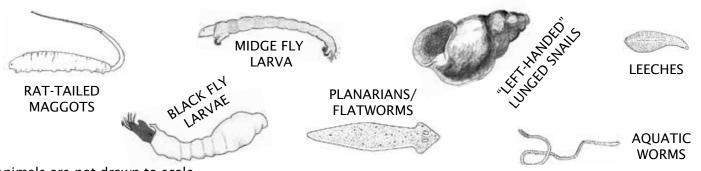
Group 1: Sensitive — These aquatic macroinvertebrates need clean water to survive.



Group 2: Somewhat Sensitive — These aquatic macroinvertebrates can live in somewhat polluted water.



Group 3: Tolerant — These aquatic macroinvertebrates can live in very clean, somewhat clean, OR polluted water!



Animals are not drawn to scale.