



STREAM PATTERNS

VELOCITY OF STREAM FLOW

HUI 5 DATA SHEET

STUDENT NAMES: _____


DATE: _____ **TIME:** _____ **WEATHER CONDITIONS:** _____

OUR HYPOTHESIS:


Velocity is the speed that the water is flowing through the stream. The speed of the water affects the amount of silt in the water. What **variables** does your group need to control when you compare the velocity at the two sites? Why?

Testing Procedure: Have two students measure a 10-meter area between the two boundary markers at the site. At the signal, start your stopwatch and place a small stick in the water about 2 feet from the stream bank near the upstream boundary marker from the stream bank at the upstream end of your tape measure. Stop the watch when the stick crosses the area at the downstream end of your tape measure. Record the time. Conduct the test three times.

Urban Stream Site: Distance = 10 meters.

	Time (sec.)	Velocity m/sec. = distance ÷ time
Test 1		
Test 2		
Test 3		

Forest Stream Site: Distance = 10 meters.

	Time (sec.)	Velocity m/sec. = distance ÷ time
Test 1		
Test 2		
Test 3		

Observations: Use the observation sheet to describe the conditions in the area where you test the velocity at the urban and forest stream sites.