

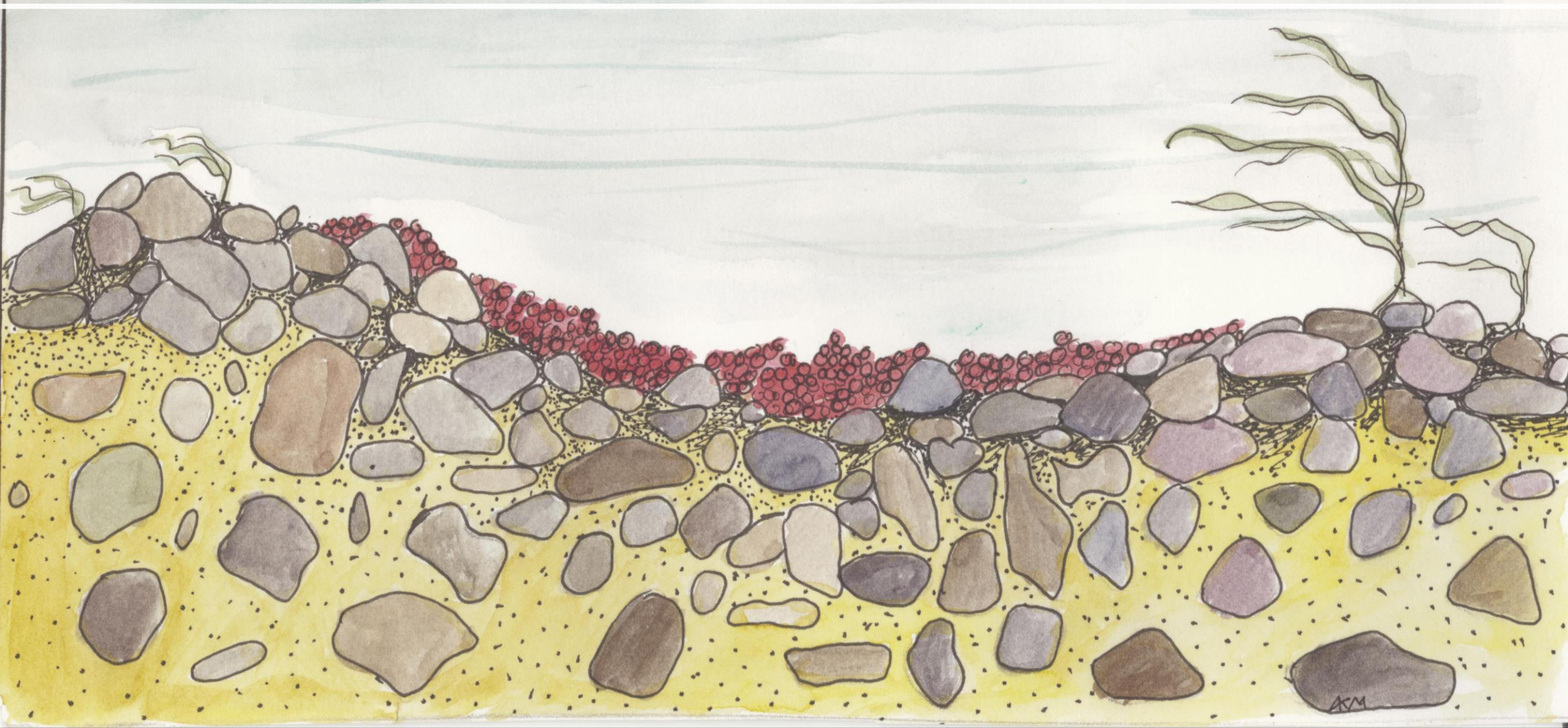
TROUT IN THE CLASSROOM



Your Tank is an Ecosystem!

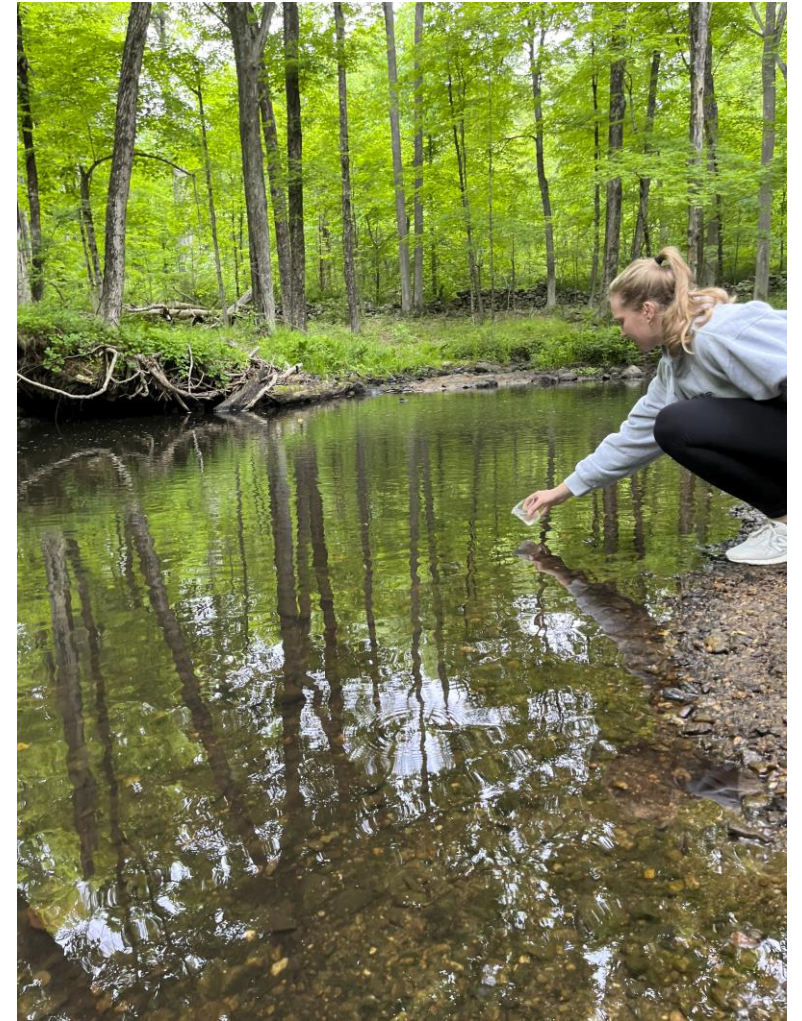


What are some of the different parts of your TIC Aquarium?



What is an ecosystem?

- What is an *ecosystem* and what is it made of?
 - An *ecosystem* is the interactions between all living organisms and non-living things in a particular environment
 - There are *biotic* (living) and *abiotic* (non-living) parts to every ecosystem
- What type of ecosystem do you think is best for your trout? Why?

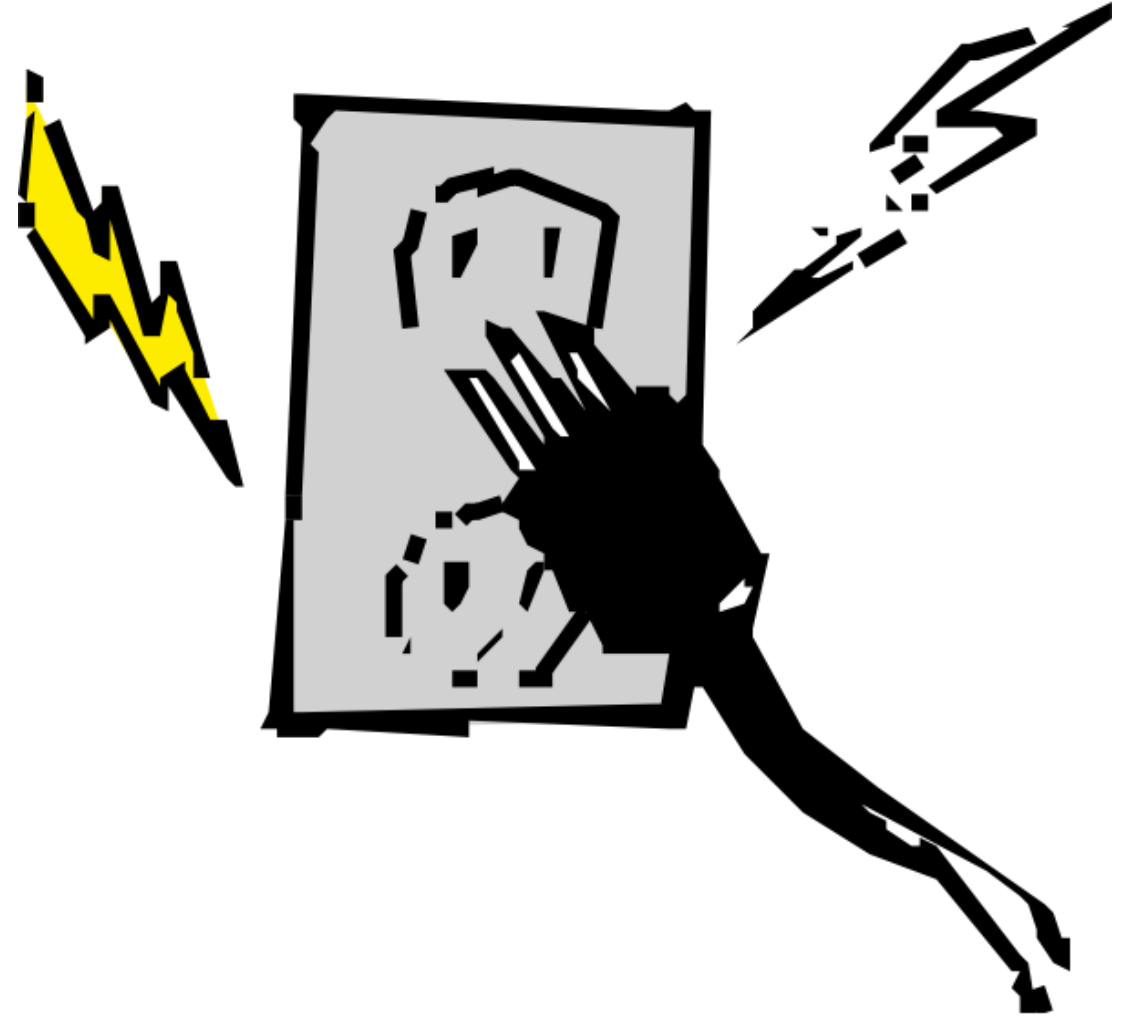


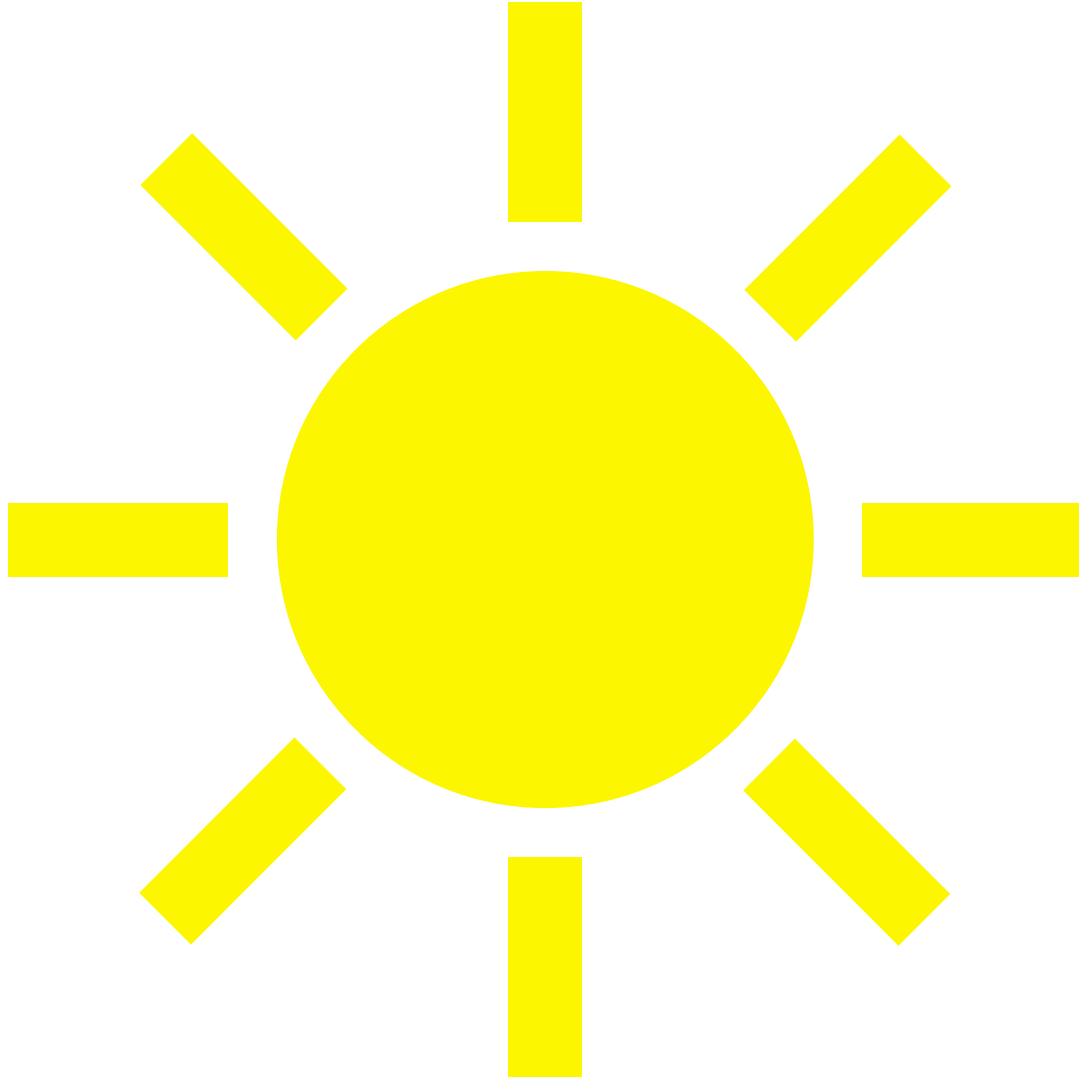
Your tank is an ecosystem!



Electrical Outlet

- Why is this necessary?
- What is the stream equivalent?





Sunlight and Gravity

Hatching Basket/Fish Net Breeder

- Why is this necessary?
- What is the stream equivalent?



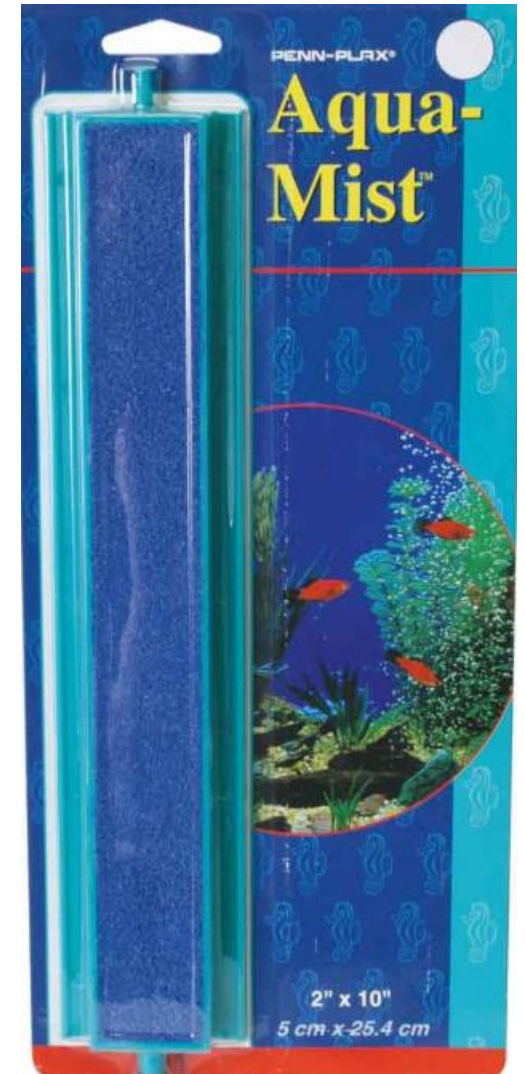
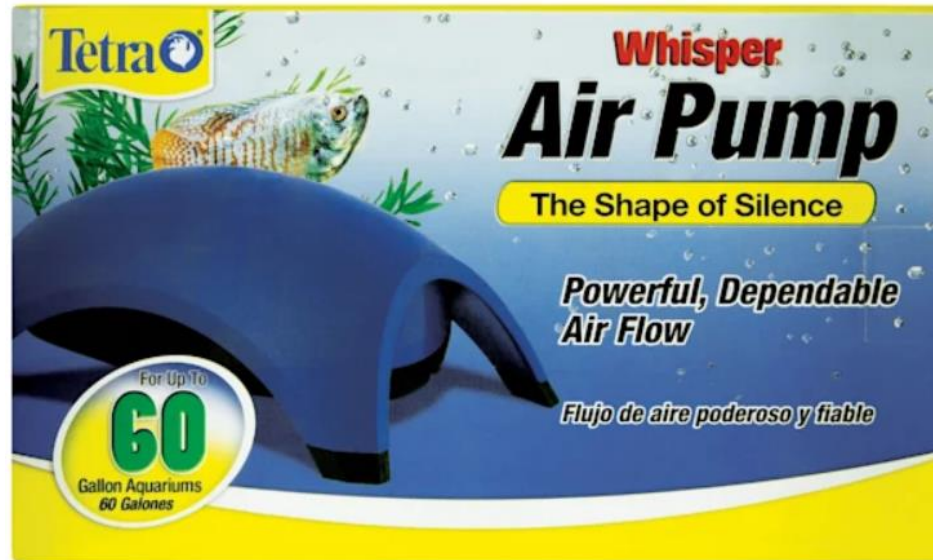
Gravel, sediment, woody debris



Trout spawning video: <https://www.youtube.com/watch?v=nfGn-MOT4>

Air Pump/Air Stone

- Why is this necessary?
- What is the stream equivalent?





**Tree roots, rocks,
stream flow**

Chiller

- Why is this necessary?
- What is the stream equivalent?



A photograph of a forest stream with white water rapids, surrounded by lush green trees and foliage. A semi-transparent circular overlay is positioned on the right side of the image, containing the text 'Forest canopy' in blue. The text is underlined with a short horizontal line.

Forest canopy

Trout Food

- What do trout eat in your tank?
- What do they eat in the stream?



Macroinvertebrates
(aquatic insects,
crustaceans,
mollusks), other fish



Filter

- Why is this necessary?
- What is the stream equivalent?



The background image shows a shallow stream with clear water. A fish, possibly a trout or salmon, is visible in the lower center, swimming towards the left. The stream bed is covered with rocks and many fallen brown leaves. On the right side, there is a large, semi-transparent circular inset. Inside this circle, the text "Stream flow, tree roots, rocks, macroinvertebrates" is written in a bold, dark blue font. Below the text, there is a short horizontal line.

**Stream flow, tree roots,
rocks, macroinvertebrates**

TROUT IN THE CLASSROOM



Learn more at nyc.gov/dep/education or
contact the Education Office at
educationoffice@dep.nyc.gov.