

Aquatic Macroinvertebrate Functional Feeding Groups

Biology

Work individually to answer these questions. You may use the websites below as a resource, you can do a Google search, or you can use any paper resources (field guides, hand-outs, books, etc.) that you can find. Submit your work through Showbie when you are done.

<http://sites.csd509j.net/staff/bregard/biology78/functfeedinggroups.pdf>

<http://sites.csd509j.net/staff/bregard/biology78/amireading.pdf>

1. Define and describe these functional feeding groups (what do members of these groups eat, and how do they eat it?):

Shredder –

Scraper –

Collector –

Predator –

2. For each of the macroinvertebrate groups below, identify the most common functional feeding groups. (Each type of organism has several feeding types; you need to find

True Flies (Diptera) –

Caddisflies (Trichoptera) –

Mayflies (Ephemeroptera) –

Stoneflies (Plecoptera) –

Snails (genus Juga) –

3. How might organisms from each of the functional feeding groups impact their stream ecosystem? (How do you think the ecosystem might be changed if one of the groups were removed?)