

Aquatic Macroinvertebrate Functional Feeding Groups

Field Biology

DIRECTIONS:

- Work in partners to answer these questions in a Microsoft Word document.
- You can 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.
- Be ready to give a *mini*-presentation about one of these answers next week!
- E-mail your document as an attachment to your instructor – Mr. Bregar (6th period) dan.bregar@corvallis.k12.or.us or Ms. Covelle (8th period) covelles@gmail.com with the subject “per X your names FF Groups”.

http://www.nps.gov/sitk/Natural%20Resources/Stream%20Ecology/Invertebrates/Function_gr.htm
<http://www.csd509j.net/cvhs/bregard/fb/mireading.pdf>

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

SHREDDER –

SCRAPER –

COLLECTOR –

PREDATOR –

2. How does each of our favorite six macroinvertebrate orders eat? Do they fit in to just one of the functional feeding groups?

Ephemeroptera –

Plecoptera –

Coleoptera –

Trichoptera –

Diptera –

Snails (genus Juga) –

3. Why might scientists use functional feeding groups instead of trophic levels (herbivore, carnivore, etc.) to classify macroinvertebrates?

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