

# **Aquatic Macroinvertebrate Functional Feeding Groups**

## ***Field Biology***

### **DIRECTIONS:**

- Work individually 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.
- E-mail your document as an attachment to dan.bregar@corvallis.k12.or.us with the subject "per X your name FF Groups".

<http://www.wlu.ca/science/biology/eschweigert/bio305/Database/ffg.htm>

<http://www.csd509j.net/cvhs/bregard/fb/mireading.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. Which functional feeding groups do our six macroinvertebrate order fit into? (Note that some groups belong to more than one functional feeding group.)

Ephemeroptera –

Plecoptera –

Odonata –

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 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?)