

Aquatic Macroinvertebrate Functional Feeding Groups

Biology

DIRECTIONS:

- Work individually to answer these questions in a Google Docs document (be sure to log in through your Corvallis School District account).
- Submit your work through Showbie when you are done.

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. Into which functional feeding groups do our the following macroinvertebrate groups fit into? (Note that some groups belong to more than one functional feeding group.)

Ephemeroptera (Mayflies) –

Odonata (Dragonflies) –

Plecoptera (Stoneflies) –

Trichoptera (Caddiesflies) –

Coleoptera (Beetles) –

Diptera (True flies) –

Snails (genus Juga) –

Decapoda (Crawdads) –

Trombidiformes (Water mites) –

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?)