

Announcements:

- Course Syllabus - Print, sign, have Authority Figure sign
Return by Thurs. 9/28
- Plant Portfolio - Finish/correct & Turn in by Fri. 9/22
- Check Pinnacle - OFTEN. Don't worry about the letter grade — look for points you can earn ($\frac{1}{3}$ your overall grade)
- Plant Quiz - Thurs. 9/28 - Identify common/scientific names
OPEN NOTE
↳ names
↳ description/identification info

Biological Organization

Objectives:

1. Students will understand and be able to give examples of the various levels of biological organization
2. Students will know and be able to describe the goals of our upcoming study as it relates to biological organization
3. Students will be able to explain the role of plants in our upcoming study

Quick Definitions:

Biology: Scientific study of living organisms.

Ecology: Looks at interactions in biology.

- ↓
Our focus
until ~T-day
1. Between living organisms
 2. Between living organisms and their environment

Levels of Ecological Organization

- Individual
- Population
- Community
- Habitat*
- Ecosystem
- Biome



Individual:

One member of
one species.



Population:

A group of individuals (all the same species)



Community:

Several populations
(of different species)
living together.



Habitat*:

The place where
a community lives.

*not technically a
level of biological
organized



Ecosystem:

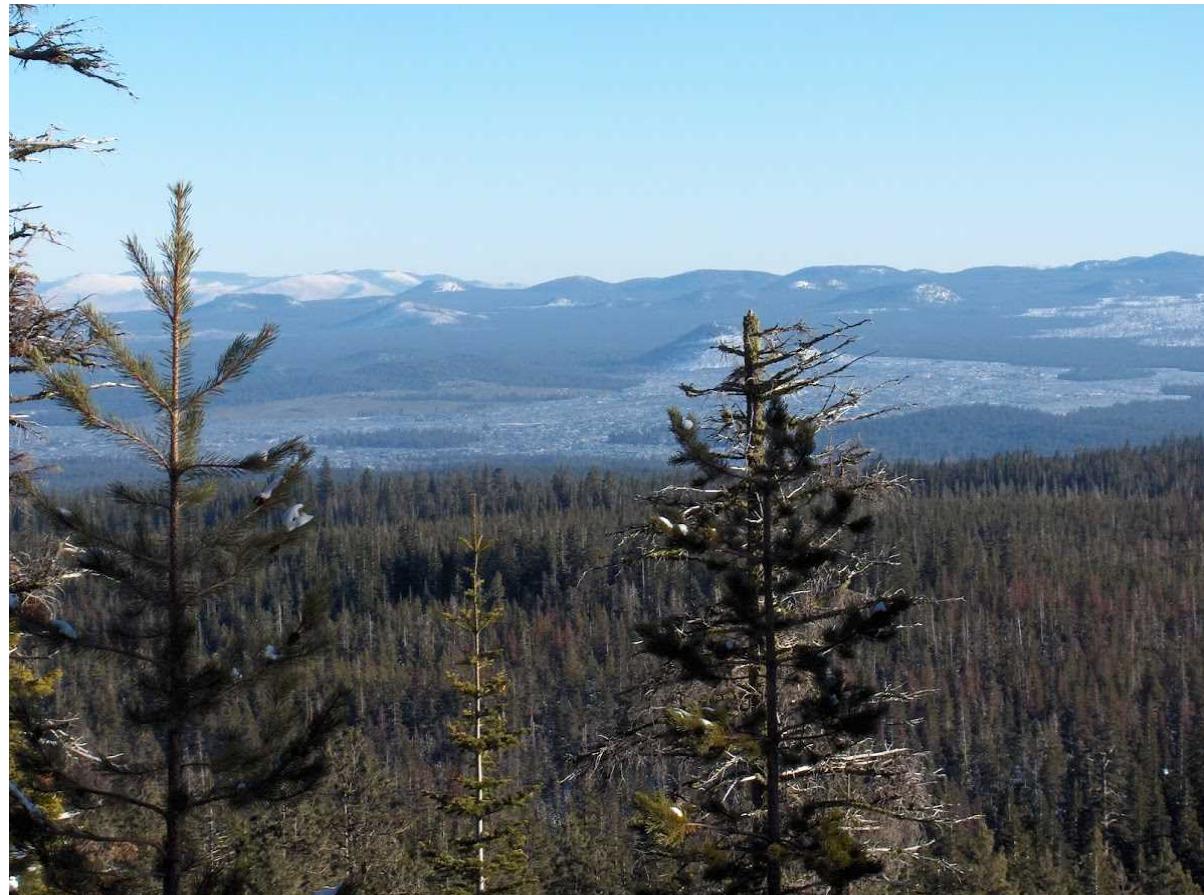
Community + habitat: a group of organism and environment in which they live.



Biome:

A large scale collection of similar ecosystems

1. Agreed upon formal name/definition
2. Big in scale/scope
3. Multiple ecosystems



Our Focus:

For the next few weeks, we'll be looking at:

- a. Habitats
 - depth / speed of creek water
 - different kinds of plant material
- b. Communities → aquatic macroinvertebrates

Our question: How do different habitats in a single ecosystem influence the communities of organisms living in those habitats?