

# What is plant ecophysiology?

Jan 22, 2019

Ecophysiology = Ecology +  
Physiology

## Ecology: definition

The study of the relationships between organisms and:

1. Each other
2. The environment

# Ecology: definition

The study of the relationships between organisms and:

1. Abiotic environment

2. Biotic environment

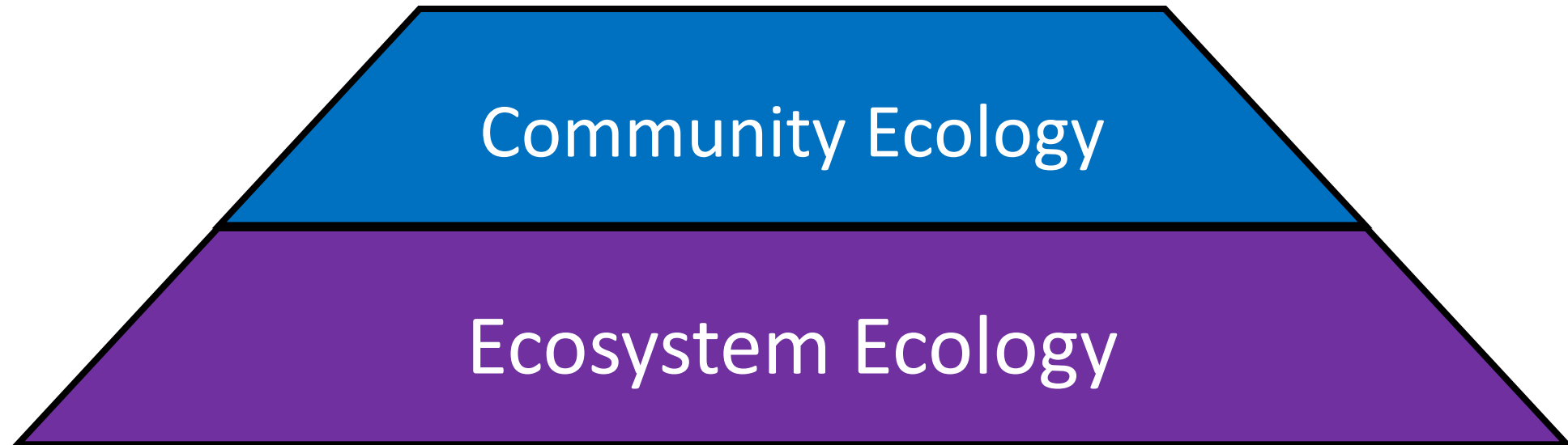
What aspects of the abiotic and biotic environment influence plant functioning?

# Hierarchy of Ecology

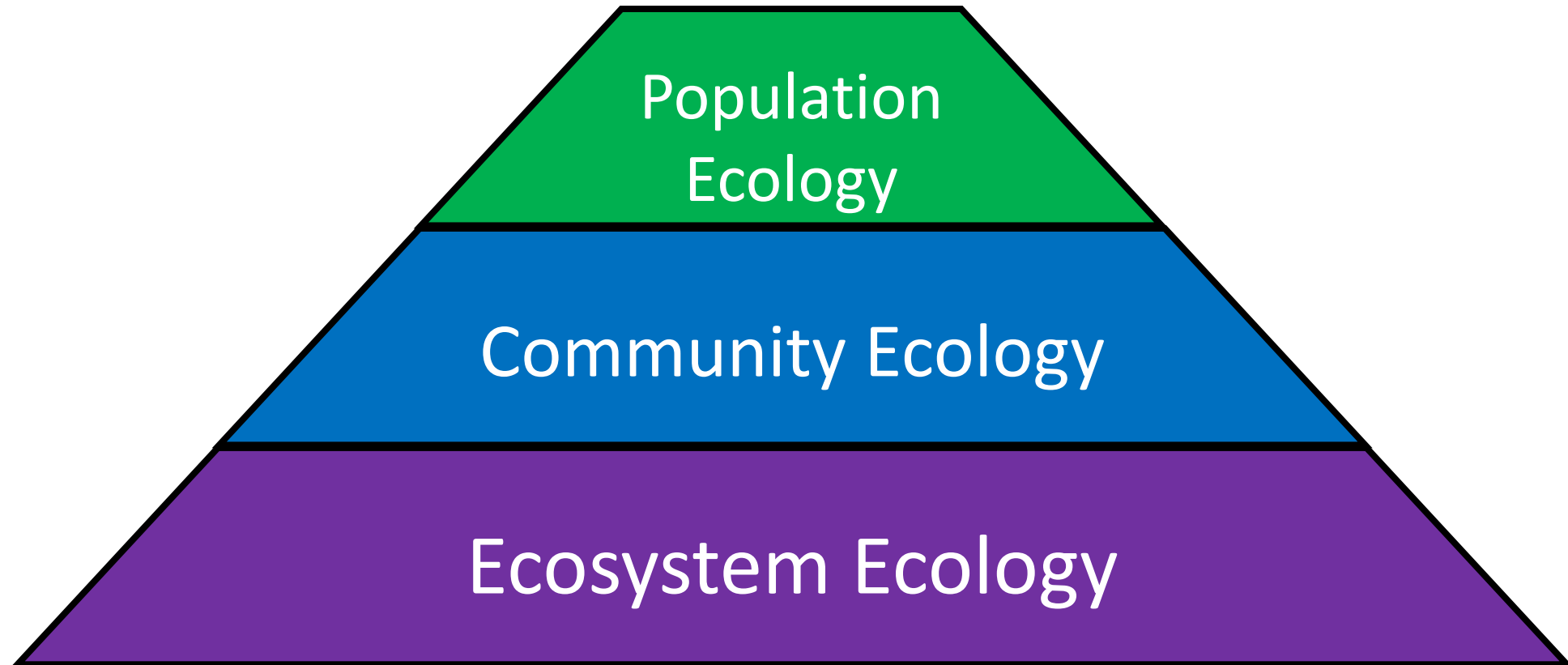


Ecosystem Ecology

# Hierarchy of Ecology

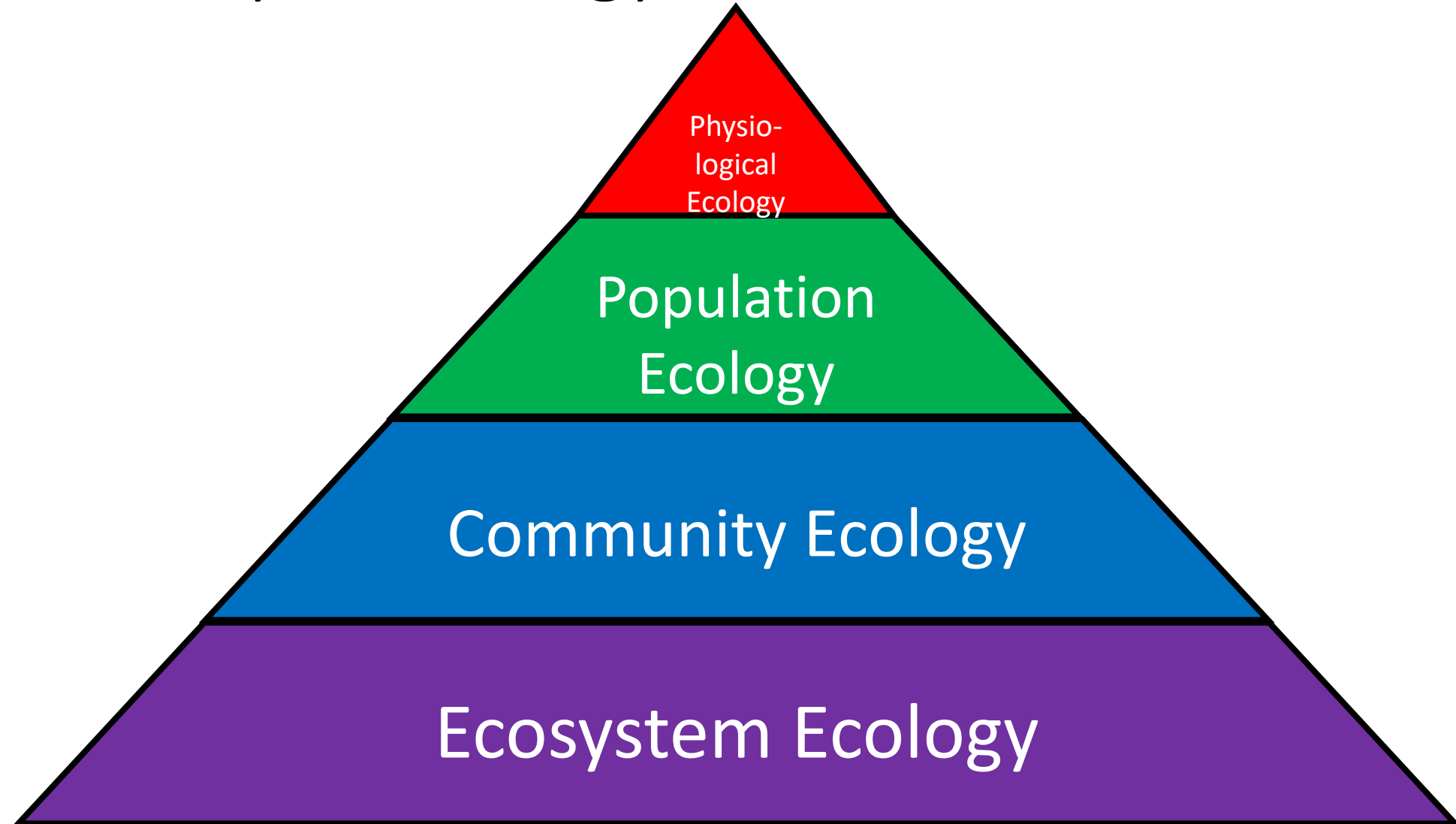


# Hierarchy of Ecology





# Hierarchy of Ecology



Physiology: a definition

The functioning of an organism that allows it to survive, grow, and reproduce

# Ecophysiology: a definition

Responses to environmental conditions  
observable at the *individual* level



Ecophys discussion: traits

# Discussion

- What is a plant trait?
- How do plants get their traits?

# Discussion

- What is the difference between acclimation and adaptation?
- How would you know?