

Ecology

The Study of Ecosystems

What depth of information is required to provide a clear definition of ecology?

In Your Own Words (IYOW)

Define: ECOLOGY

Your task is to write a journal entry discussing what happens in a typical day of your chosen organism. While you are writing your journal entry, here are some of the questions you should consider:

1. Where does it live?
2. What kind of environmental conditions does it prefer?
3. Who are its friends?
4. What does it eat/drink?
5. How does it get around?
6. Does it have any enemies? If so, how does it avoid them/go after them?
7. What traits does it have to allow it to survive?

A Day in the Life of (name of organism)

Ecology is the study of organisms and the interactions they have with the biotic and abiotic systems around them

Eco- Greek for House

ex. Economy, Ecology

Bio - Living having to do with life

ex. Biology, Biome, Biotic, Antibiotic

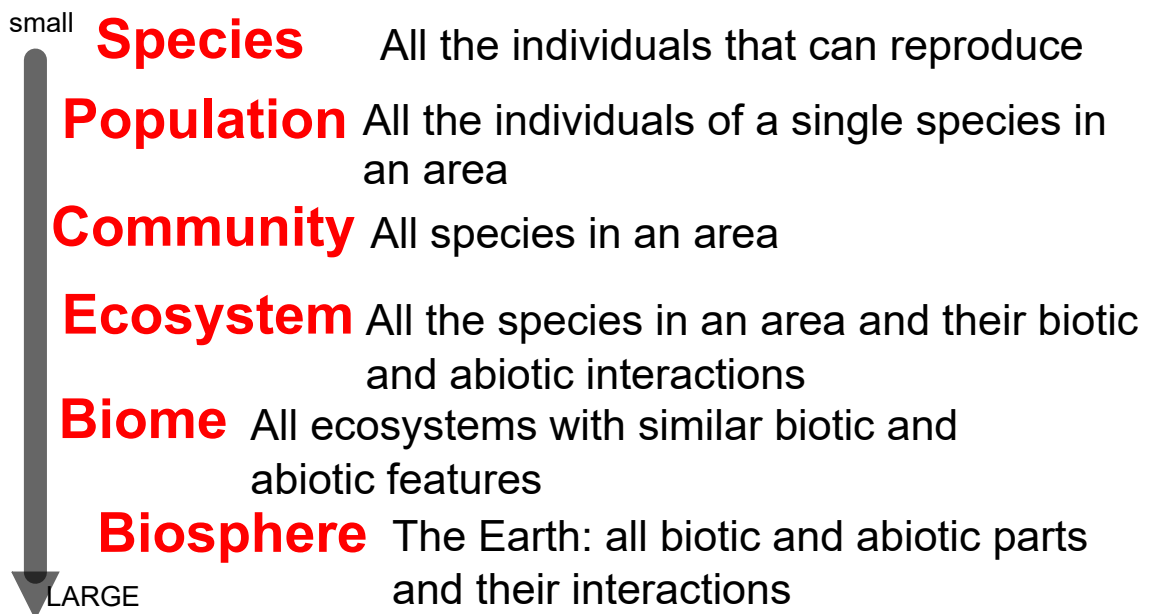
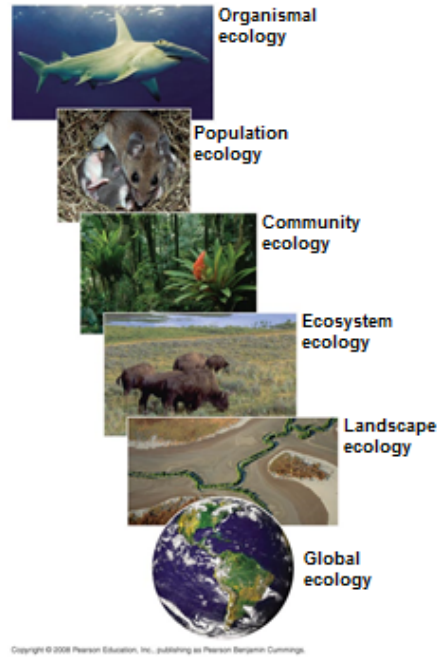
Inter - Between

ex. Interchange, Interact, Intermural

A- Not

ex. Asexual, Abiotic, Atonal

Ecology can be studied at many different levels



Which factors are biotic and which are abiotic? Create a T-Chart to organize. Your thoughts.

whale	temperature	salad	bacteria	tiger
water	sand	plant	carbon	humans
fish	clouds	squirrel	soil	carrots
paper	acid	rain	ocean water	roses
glass	snail	wood	coal	oxygen
aluminum	sunlight	pigeon	gold	energy
plastic	grapes	air	oak tree	snow

Biotic
Living

vs.

Abiotic
Nonliving



Go Through your journal entry,

Circle all things that are BIOTIC
Underline all things that are ABIOTIC

Look through the journal entry that we did at the beginning of class. Circle all the biotic factors and underline all the abiotic factors you mentioned.

For your specimen, explain how biotic factors affect your daily life:

Explain how abiotic factors affect your daily life:

Who lives in the population of your specimen?

Who lives in the community of your specimen?

Jaguars
Tortoise
Tiger

Worms
Flies
Panda
Lion

Rabbit
Wolf
Dolphin

Again referring to the journal entry you wrote at the beginning of class:

Are there other students in the class who belong in your population?

Are there students who belong in your community?

Are there similarities in the ecosystems of you and another student who belongs in a different community?

