

Aim: What are the parts of an ecosystem?

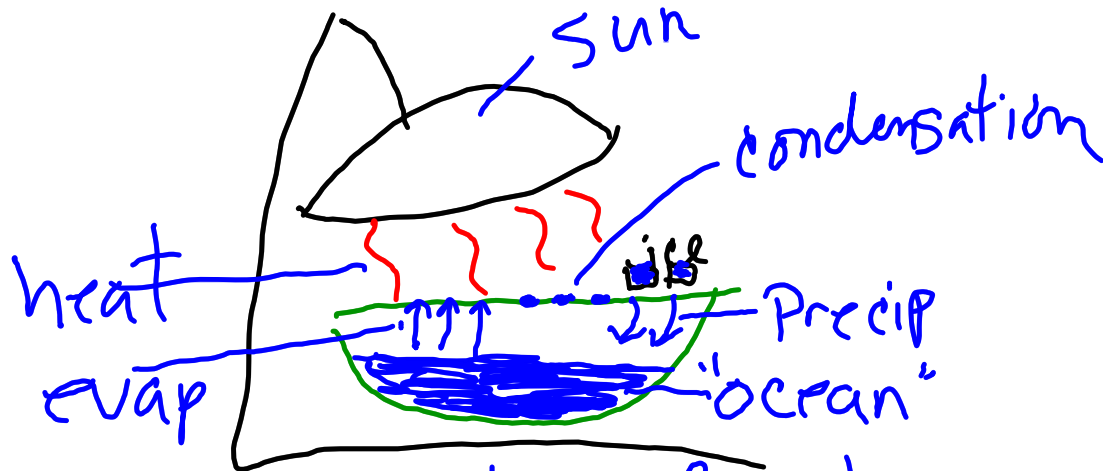
**Do Now: Describe what types of organisms live on your block.
What do those organisms require to live?**

Homework: Define

community ecosystem habitat biodiversity

succession climate biome biotic

abiotic pioneer species



All abiotic factors
are cycled -

Example: Water

- 70% Earth's surface is H_2O
- 97% salt

LE_3 Class Notes 10/5/09 Whats in Your Ecosystem?

Squirrel- (Gray, black), >gophers, muskrats, ferret
opossum, mice,
Humans, Dogs, cats, parakeets (drugdealers???)

Insects- bees, flies

Grass, Trees $\left\{ \begin{array}{l} \text{maples} \\ \text{Pine} \\ \text{birch} \\ \text{Sycamores} \\ \text{Yew} \\ \text{Palm (C7)} \\ \text{willow} \end{array} \right.$

Deer, horses

Bird-ducks, parakeets

Introduced (Nonnative)

Fish-(domestic)

Do Now: Who's on your block?

Humans

Animals-dogs, cat, fish

Bat

Possums, muskrats, racoons, squirrels (black, grey)

Otters(?), deer, moles, rats, mice woodchuck

Turtles , snakes(garter, corn), rabbits, Frogs, peepers

Insects-flies, ants, crickets, bees, mosquitos

dragonflies, caterpillars(moths, flies)

ladybugs, spiders cicadas, locusts

Worms

Ecosystems

Definitions

Ecosystem- includes a community of organisms and their physical environment

Community- a group of various species that live in the same place and interact with one another

Biome - made of many similar **ecosystems**.

Ecosystem Characteristics:

- Each plant and animal in an ecosystem has a role to play

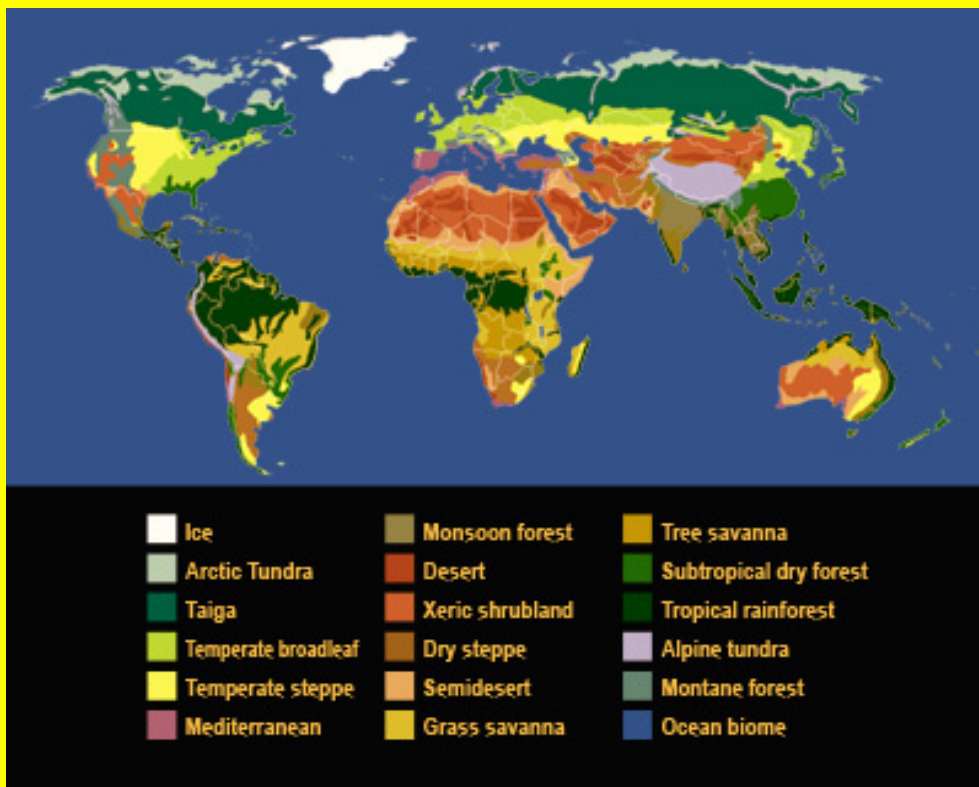
Example:

In a Forest Ecosystem: Animal #1 may climb trees and forage for nuts & berries

Animal #2 may be a predator who survives on smaller mammals

Plant #1 may be a deciduous tree that converts the energy of the sun into food, provides protection & habitat for the two animals

Ecosystems of the World



Ecosystems

Biotic Factors	Abiotic Factors

Biomes



Aim: How does an Ecosystem respond to changes?

Do Now: California has been experiencing wild fires.

Can you describe how its ecosystems have been influenced?

Fires Overwhelm California.mp4

Homework

1. Rd pp. 79-81 p. 84 #2

**2. List 3-4 other natural causes of change in ecosystems.
Choose 1 to describe several ecosystem changes you may see over time.**