

Day 3 Notes

Weather vs. Climate

- Weather is the day to change in temperature and precipitation rates
- Climate is the _____ average year to year conditions for a given area.
 - How would you describe the weather in Delaware?
 - How would you describe the climate in Delaware?



Biotic and Abiotic Factors

- Biotic
 - _____
 - Examples: humans, trees, squirrels, etc.

- Abiotic
 - _____
 - Examples: sun, rocks, soil, air, etc.
 - Control where things live and rate of growth



Niche

- The relationships and position of a species or population in an ecosystem
 - Every aspect of the organism's life and how it interacts with others.

Organism Relationships

- Competition
 - Two or more groups struggling for the same resource.
- Predation
 - One organism feeding upon the other.
- Symbiosis
 - Two species are _____ in their interactions (mutualism, Commensalism, parasitism)

Predator/Prey

- Predator – an animal that hunts, kills and eats other animals
- Prey – an animal that is _____ by a predator.



Mutualism

- Relationship where two organisms live together, both _____

• Example: These ants protect the plant they live on by eating harmful insects. The plant provides them with sap for food.



Commensalism

- Relationship where two organisms live together, one _____ and the other is _____.

• Example: The vines have a safe place to grow off the forest floor. The oak tree is not affected.



Parasitism

- Relationship where two organisms live together, one _____ and the other is _____ (not killed)

• Example: This tick will eat the blood of a dog. The dog is adversely affected.



Succession

- Changes in a _____ as it gets older.
- As a community gets older, older inhabitants _____ and new inhabitants _____.

Land Succession

- Barren land, rocks, some soil
- _____
- Grasses, beetles, ants
- _____
- Young Forest, more kinds of animals
- Mature Forest – Climax Community

Pond Succession

- Algae on surface
- _____
- Dead plants and algae pile up on bottom
- _____
- More dead organisms and some soil pile up on bottom
- _____
- Eventually no water just plants and animals

