**Notes: Ecology #2**

**Community**

* Definition:
	+ Many different populations of organisms living together and interacting with one another
* There are many types of **species interactions** within a community
1. Antagonism
	* + \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Mutualism
3. Commensalism
4. Competition

**Species Interactions**

1. **Antagonism**
	* + One species benefits at the expense of another
		+ Many types of antagonism (parasitism, predation, herbivory)
	* **Parasitism**
		+ - Interaction of a parasite and a host
			- **Parasite**—Organism benefiting
				* Lives in or on host
				* Gets \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
				* Does not intend to kill, or kill quickly
			- **Host**—Organism harmed
			- **Example:**
	* **Predation**:
		+ Interaction of predator and prey
		+ **Predator**:
			- Hunts and kills
		+ **Prey**:
			- Pursued and killed by predators
		+ Predator intends to kill the prey
		+ **Example:**
			- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2. Mutualism**:

* + Relationship between two different species in which **both** benefit
		- **Example:**
		- **Example:**
			* :
			* :
		- **Example:**

**3. Commensalism**:

* + Relationship in which one organism benefits and the other is not affected
		- Ex. Clown fish and sea anemones
			* + :

**4. Competition:**

* + Species do worse together than they would if they were apart
	+ Relationship between members of the same species or members of different species.
	+ Organisms compete for and/or defend a resource.
	+ Resources organisms compete for:
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
		- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Example: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	+ Example: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Interaction | Effect on Organism/Species 1 | Effect on Organism/Species 2 | Example |
| Antagonism (parasitism, predation, herbivory) |  |  |  |
| Mutualism |  |  |  |
| Commensalism |  |  |  |
| Competition |  |  |  |