

Unit 9 Topic Reviews

TOPIC 3: Community Ecology (Symbiotic Relationships)

1. Define symbiosis: _____

2. For each of the following, explain why the symbols provided are accurate for each type of symbiotic relationship:
 - a. Competition (-, -): _____

 - b. Predation (+, -): _____

 - c. Parasitism (+, -): _____

 - d. Mutualism (+, +): _____

 - e. Commensalism (+, 0): _____

3. Identify the type of symbiotic relationship being described:
 - a. A lichen is a combination of fungus and algae that lives on the sides of trees, rocks, and other materials. The fungus provides the algae with water and minerals and the algae uses the water and minerals to make food for both organisms. _____
 - b. A cuckoo bird may lay its eggs in a warbler's nest. The cuckoo's young will kick out the warbler's young and will be raised by the warbler. _____
 - c. Yucca flowers are pollinated by yucca moths. The moths lay their eggs in the flowers and the eggs hatch. The larvae eat some of the seeds, and spread them around. _____
 - d. Mistletoe takes water and nutrients from the spruce tree. This is good for the mistletoe but bad for the tree. _____
 - e. Remora fish attach themselves to a shark's body. They then travel with the shark and eat scraps from the shark's meals. _____