

Check Understanding

Shade the circle next to the correct answer.

1. Remora are fish whose dorsal fin has adapted over time so that it forms a sucker. The fish attaches itself to a shark and travels along for the ride. The remora feeds on morsels of food that fall out of the shark's mouth. The shark is not affected by the remora.

What type of relationship is this?

- Ⓐ mutualism
 - Ⓑ parasitism
 - Ⓒ predation
 - Ⓓ commensalism
2. **What interaction between organisms would be described as parasitic?**
- Ⓐ a bee stinging a human
 - Ⓑ a fungus deadly to elm trees spreading to an elm tree by an elm-bark beetle
 - Ⓒ a lion killing and eating an antelope
 - Ⓓ tickbirds cleaning the skin of a rhino as they feed on ticks

3. **Which statement about the relationship between animals that eat fruit from trees and the fruit-bearing tree is accurate?**

- Ⓐ The animal and the fruit-bearing tree have a mutualistic relationship because the tree provides food for the animal and the animal disperses the tree's seeds in its droppings.
- Ⓑ The animal and the fruit-bearing tree have a parasitic relationship because the animal damages the tree when it eats the fruit.
- Ⓒ The animal is considered a predator and the fruit of the tree is considered prey.
- Ⓓ The relationship is not symbiotic because such relationships exist only between animals, and not between plants and animals.

4. **What interaction between organisms would be described as commensal?**

- Ⓐ dwarf mistletoe causing extensive damage to a conifer
- Ⓑ a microscopic organism causing malaria in humans
- Ⓒ a coyote hunting a rabbit
- Ⓓ a robin building a nest in a maple tree near a park