

Standard: Students will assess the dependence of all organisms on one another and the flow of energy and matter within their ecosystems.

Element: Investigate the relationships among organisms, populations, communities, ecosystems, and biomes.

EQ: How do organisms interact with each other?

Predation is the act of one organism killing another for food.



predator

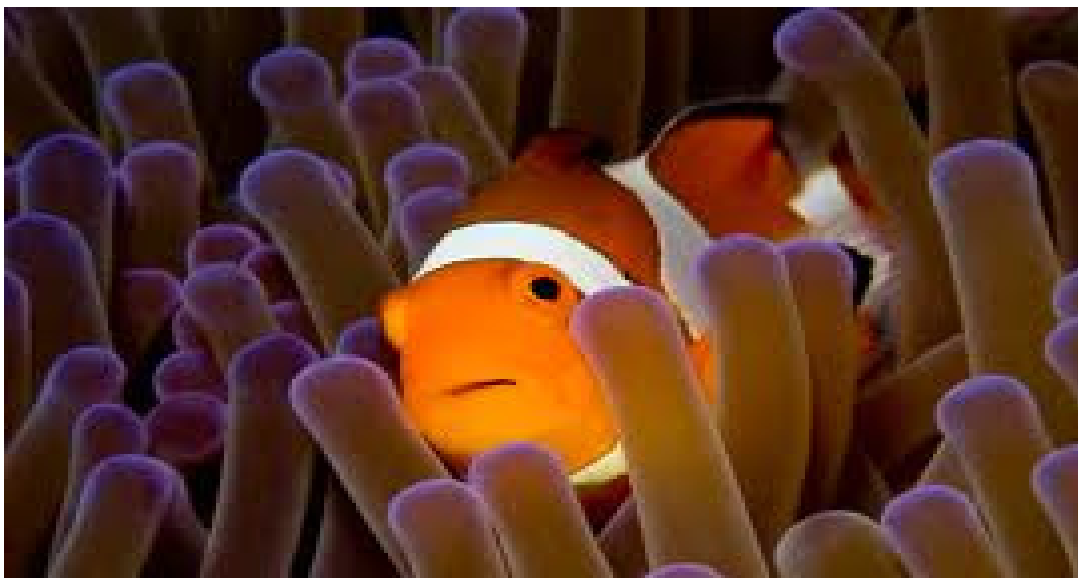
prey

Often, species must **compete** for resources.



COMPETITION

Symbiosis is a relationship in which two species live in close association with each other.



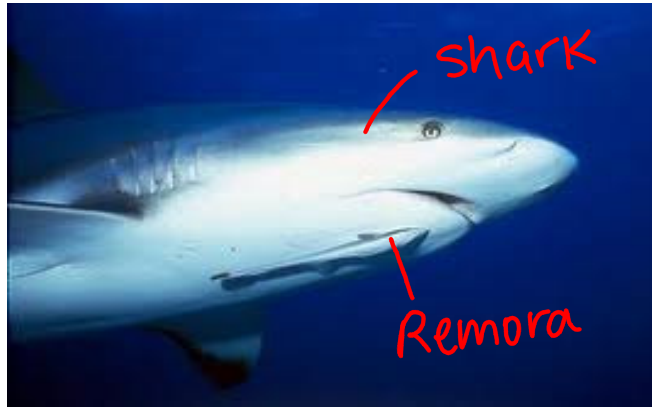
In some forms of symbiosis, species may benefit from the relationship. **Mutualism**, **commensalism** and **parasitism** are three kinds of symbiotic relationships where at least one species benefits.

A relationship between two species in which both species benefit is called **mutualism**.



BOTH SPECIES BENEFIT!

In **commensalism**, two species have a relationship in which one species benefits and the other species neither harmed nor helped.



In **parasitism**, one organism feeds on another organism, who is called the host. The host is almost always larger than the parasite and is usually harmed but not killed.

