

Predation

- An organism that feeds on another organism
- The organism that is fed upon is called the **prey**
- Ex. Coyote and deer
- Many species have evolved some mechanisms to avoid or defend against predators



Parasitism

- An organism that lives on another organism and feeds on the other organism is a **parasite**
- The organism that provides the nourishment is the **host**
- Ex. Ticks, fleas, tapeworms, sea-lice



Mutualism

- A close relationship between two species in which each species provides a benefit to the other
- Ex. Humans and certain types of bacteria in the intestines
 - Humans are better able to digest food and bacteria have a place to live



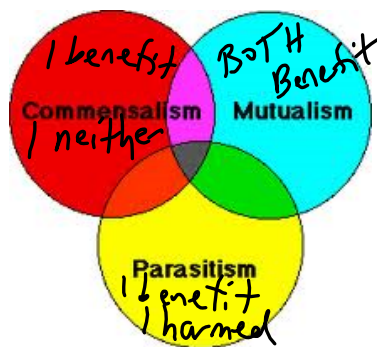
Commensalism

- A relationship in which one species benefits and the other species is neither harmed nor helped
- Ex. Sharks and remoras
 - Sharks are unharmed and fish are able to eat what the shark doesn't



Symbiosis and Coevolution

- A relationship in which two organisms live in close association is called **symbiosis**
 - Symbiosis is often used to describe at least one species benefiting from another
 - Over time, the species may **coevolve**
 - They develop adaptations that reduce the harm or improve the benefit of the relationship



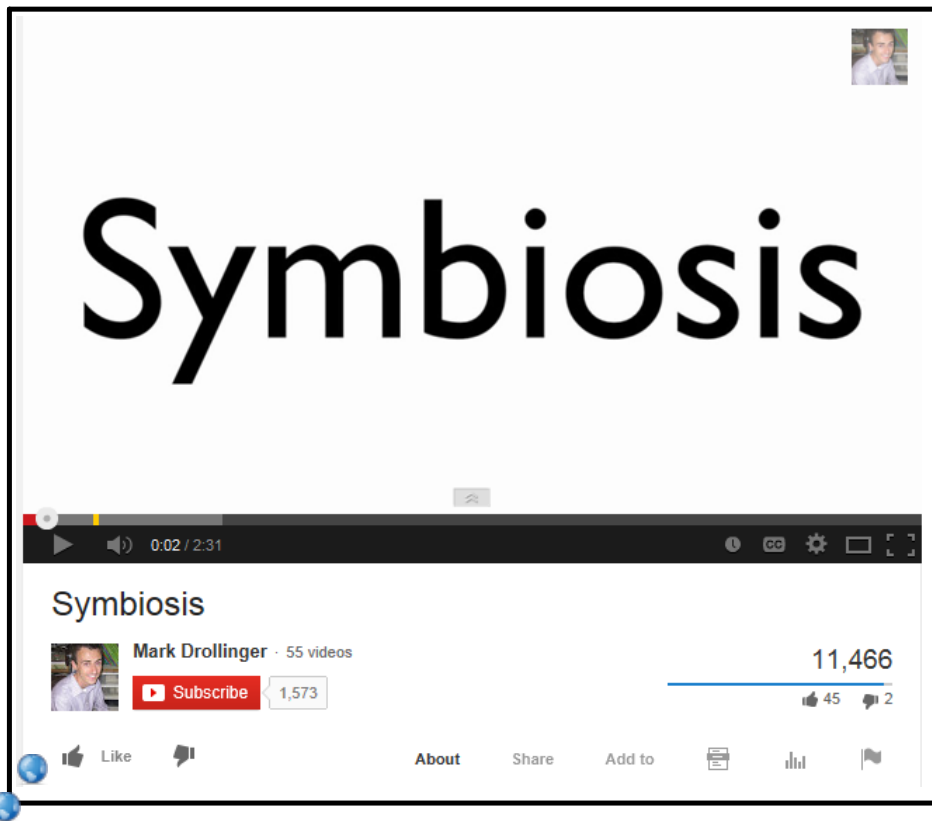
#EcoPoint Opportunity...

Find 2 video clips for each type of interaction:

- Predation
- Parasitism
- Mutualism
- Commensalism

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[4 x 5 points per interaction = 20 points]



A screenshot of a YouTube video player. The video title is "Symbiosis" and it is by Mark Drollinger, who has 55 videos. The video has 11,466 views, 45 likes, and 2 dislikes. The player shows a progress bar at 0:02 / 2:31. Below the video are buttons for Like, About, Share, Add to, and a flag icon. A small profile picture of Mark Drollinger is in the top right corner of the video frame.

CO-EVOLUTION...



Sea Lion



Otter

SUMMARY...



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0:18 / 5:15

Symbiosis: Mutualism, Commensalism, and Parasitism

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