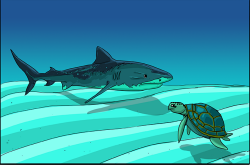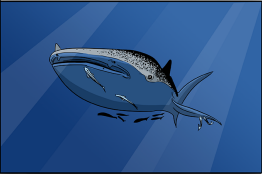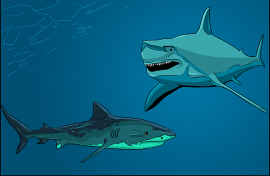## Station 1

Welcome to the Ocean Ecosystem! Take a look at the organisms at the station. First, you're going to see if you can predict the relationships between the organisms even before you watch the video clips. Then, you're going to view the video footage of organisms interacting. Finally, you and your group will work together to determine the actual relationships.

Organisms	Prediction	Actual Relationship
Turtle and Shark https://goo.gl/ZZeVjn	Predation	Predation
Shark and Remora https://goo.gl/kWvEIt	Mutualism	Mutualism
Great White Shark and Great White Shark https://goo.gl/AzxH9V	Competition	Competition

Analysis Questions

> What do you think would happen to the turtle population if the sharks left the ecosystem? Explain your reasoning.
>
> The turtle population would stay the same because the turtles just attack sharks and they don't really eat them. Also the sharks do not eat turtles so the population would not increase nor decrease.

> What do you think would happen if the great white shark population increased? Explain your reasoning.
>
> I think what would happen if the great white shark population increased is that the remora population would increase as well due to the help of the great white sharks almost all would be protected. The population of the prey of sharks would drastically decrease.

> Can you think of another example of a mutually beneficial interaction in an aquatic ecosystem?
>
> The clownfish and the anemone have a mutually beneficial interaction since the anemone gives the clownfish protection an in return the clownfish gives it scraps of food.

> What evidence can we now bring to your boss? Is there evidence of all three types of organism interactions in the ocean ecosystem?
>
> There is evidence of all three types of organism interactions. First is the predation from the sharks and the turtles. Second is the mutualism from the shark and the remora. Finally there is competition with both sharks.

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