

Bermudian Coral Food Web

1. To complete this assignment you will create a food web to illustrate the diversity of the coral reefs of Bermuda. Copy and paste the text below; follow the directions. Please follow your teacher's instructions for submitting your work.

The Bermudian Coral Reef is a specific example of one of the coastal ecosystems you have just studied. And like all ecosystems, the living things within it feed on each other. The energy obtained from sunlight moves from plants to animals and to other animals and so on. However, animals do not just feed on one type of food, they feed on a variety. In a place like a coral reef there are many different feeding relationships which are connected together to form a food web.

The website linked below contains information about just a few common animals and plants that are found on a Bermudian coral reef. Use this website to research the interactions of the organisms in the coral reef to develop an authentic food web.

[Bermudian Coral Reef Website](#)

Your food web should consist of at least 10 organisms. Use the drawing tools to create a diagram of the interacting organisms. Here is a list of some of the organisms that you may use in your food web - But be sure to use them in the food web properly.

Algal turf
Jointed seaweed
Phytoplankton
Protista
Zooplankton
Spot light parrotfish
Silver porgy

Surgeon fish
Yellow fin grouper
Blue tang
Nassau grouper
Four eyed Butterfly fish
Barracuda

Finger coral
Common Sea Fan
Brain Coral
Sponge
Purple sea urchin
Squid

Discussion Questions

1. Occasionally something goes wrong with a food web and a link is damaged.
 - a. Pick an organism from your food web. What will happen to the number of that organism's prey if that organism were killed suddenly by a disease?
 - b. What will happen to the number of that organism if the numbers of its predators suddenly decreased?