



## CORAL REEF CONSERVATION LESSON PLAN

# A Reef of Your Own

### Theme

Coral Reef Biology

### Links to Overview Essays and Resources Needed for Student Research

<http://oceanservice.noaa.gov/topics/ocean/coralreefs>

<http://www.coris.noaa.gov/about/biology>

[http://oceanservice.noaa.gov/education/kits/corals/coral01\\_intro.html](http://oceanservice.noaa.gov/education/kits/corals/coral01_intro.html)

### Subject Area

Life Science

### Grade Level

9-12

### Focus Question

What physiological, ecological, and behavioral strategies contribute to the success of reef-building corals?

### Learning Objectives

- Students will be able to describe and explain the importance of asexual and sexual reproductive strategies to reef-building corals.
- Students will be able to explain why it is important that reef-building corals have a nutritional strategy that includes both photosynthesis and carnivory.
- Students will be able to describe two behaviors that reef-building corals use to compete for living space with other species.
- Students will be able to explain how coral reefs can produce high levels of biological material when the waters surrounding these reefs contain relatively small amounts of the nutrients normally needed to support biological production.

















