



## CORAL REEF ECOLOGY

### Concepts

Scientific method

### HCPS III Benchmarks

SC.4.1.1.

MA.4.11.1

MA.4.11.2

MA.4.13.1

### Duration

1 hour

### Source Material

PRISM

### Vocabulary

Conclusion

Ecosystem Management

## Results and Conclusions

### Summary

Students will put their data into graphs and finish their worksheet from Lesson 6.4. They will make conclusions about their data and make recommendations regarding the conservation and preservation of their study site.

### Objectives

- Students will formulate and defend conclusions based on the evidence.

### Materials

“Human Impacts” worksheet from Lesson 6.4

Graph paper

### Making Connections

Students will finish their experiment by making final conclusions on their data. They will complete the scientific process and see how science is used to make educated suggestions for management and conservation.

### Teacher Prep for Activity

Make sure each student has their copy of “Human Impacts” worksheet that they filled out from lesson 6.4.

### Background

No additional background is necessary.

### Procedure

1. Have the students finish filling in their “Human Impacts” worksheet using their findings from their data collection. Some students may wish to create a graph of their own group’s data.
2. Ask your students to write what they recommend we do to care for the marine environment and provide reasons for that recommendation.

### Assessments

Completed worksheet and formed conclusions

### Resources

[www.marinedebris.noaa.gov](http://www.marinedebris.noaa.gov)

[www.wildhawaii.org](http://www.wildhawaii.org)