

Name: _____ Date: _____ Block: _____

Coral Reef Webquest

Site One: Go to: <http://www.solcomhouse.com/coralreef.htm>

1. Coral reefs are referred to as the " _____ " of the ocean.
2. They are a source of _____ and _____.
3. They also protect the _____.
4. Corals are _____ animals related to _____ and _____.
5. Reefs typically form in relatively _____, _____ _____
_____ between latitudes _____ and _____.
6. What is essential to their health? _____
7. What are the 2 distinct regions in which coral reefs are distributed?
8. How many countries are coral reefs found in? _____
9. They are home to over _____% of all marine life.
11. List the 3 things that can cause the coral reefs to lose their symbiotic algal cells.
 - 1.
 - 2.
 - 3.

Site Two: Go to the following site:

<http://j.whyville.net/smmk/reef/simulation>

Read the instructions for how to use the Reef Simulator. Click on SHOW LEGEND in the lower left corner of the chart and answer the following:

1. Which organism can make its own food from the sun?

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2. Which organism is an herbivore?
3. Which organisms are omnivores?
4. Which organisms are carnivores?
5. Why do corals get their own trophic level?

Click on the following scenarios, form a hypothesis, run the simulation, click on immediate effects button and long term effects button, form a conclusion, then put the correct answer to the questions below:

- 6) What happens when people catch too many fish from the reef to eat?
- 7) What happens when people take too many colorful animals from a reef to sell in pet shops?
- 8) What happens when corals get stressed out?
- 9) What happens when excess nutrients (like the chemicals nitrogen or phosphorus) are dumped on a reef?
- 10) What happens when sediments (like sand and soil) cover a coral reef?
- 11) What happens when people don't follow the rules when diving on a reef?