



## Coral Reefs

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1. What is a reef?

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Identify two types of “building blocks” of reefs.

1. \_\_\_\_\_  
2. \_\_\_\_\_

2. Answer the following.

a. Is coral a plant or an animal?

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b. In what phylum is coral categorized?

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c. What part of a coral reef is living?

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d. Distinguish between soft and hard corals

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3. Where are coral reefs found? Describe the conditions that are needed for healthy coral growth.

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- 4. Describe and/or draw a diagram showing at least three different types of coral reefs.
  - 1. \_\_\_\_\_
  - 2. \_\_\_\_\_
  - 3. \_\_\_\_\_
- 5. Define zooxanthellae.  
\_\_\_\_\_  
\_\_\_\_\_
- 6. Answer the following questions about how corals get their food.
  - a. Which type of feeding primarily occurs at night and why does this result in clear water?  
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\_\_\_\_\_
  - b. Which type of feeding occurs primarily during daylight hours?  
\_\_\_\_\_  
\_\_\_\_\_
  - c. Why are coral reefs found in clear water?  
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\_\_\_\_\_
- 7. Identify five corals that can be found on a reef.
  - 1. \_\_\_\_\_
  - 2. \_\_\_\_\_
  - 3. \_\_\_\_\_
  - 4. \_\_\_\_\_
  - 5. \_\_\_\_\_
- 8. Identify ten fish that live in a coral reef.
  - 1. \_\_\_\_\_
  - 2. \_\_\_\_\_
  - 3. \_\_\_\_\_
  - 4. \_\_\_\_\_
  - 5. \_\_\_\_\_

6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

9. Identify five species of non-coral invertebrates that might live on a reef.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

10. Define “bleaching” as it pertains to corals and explore the impact this has on the reef.

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11. Identify at least one invasive species and how it affects reefs.

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12. Why are reefs an important community? List at least three ways that you can help protect a reef.

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1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

- 13.** Prepare an object lesson about an animal that lives in the reef. Present this lesson at a club worship or similar function. Be sure to include a Bible text in this presentation.

Date completed \_\_\_\_\_

- 14.** Do at least two of the following.
- a.** Make a collection of at least five species of dead coral you find washed up on a beach or fossil corals. Make sure you obey local laws about collecting.
  - b.** Watch a presentation about reefs. Summarize what you learned about coral reefs.
  - c.** Draw or paint a picture of a reef community with at least ten species.
  - d.** As a group, make a short video about a reef conservation project. Explain why this specific habitat should be saved.
  - e.** Create a 3D diorama of a coral community.
  - f.** A similar project approved by your instructor

Date completed \_\_\_\_\_