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Foundation

STANDARDS

- **CCSS:** RST.9-10.1, 2, 3, 4, 5, 7, 8, 9, 10; RST.11-12.1, 2, 3, 4, 8, 9, 10; W.9-10.1, 2, 4; W.11-12.1, 2, 4; SL.9-10.1, 3, 4, 6; SL.11-12.1, 3, 4, 6
- **NGSS:** ESS 2.A, ESS 2.C, ESS 2.E, HS-ESS2-1, HS-ESS2-7
- **OLP:** 1.A.4, 5.B.1

ONLINE CONTENTS

- [Reef Types Quiz](#)

REEF TYPES

This lesson is a part of the *Reef Types* unit, which explains bathymetric features of the ocean floor and how this relates to coral reefs. Below is a summary of what is included in the entire unit.

UNIT CONTENTS

A. [Background Information](#)

- Reef Types
- Bathymetric Features of the Oceans' Floor
- Coral Reef Geomorphology Introduction
- Types of Coral Reef Geomorphology

B. Lessons

[Where Can Corals Grow?](#)

- An activity to make a bathymetry model and analyze it for potential coral growth

[Reef Typing](#)

- An activity to classify reef types (barrier, fringing, atoll)

[Read it! Lagoon Reefs](#)

- A worksheet to accompany the [Lagoon Reefs of Fakarava](#) field blog



INSTRUCTIONS:

1. Read *Lagoon Reefs of Fakarava*, a blog from our Tuamotu, French Polynesia mission (<http://www.lof.org/lagoon-reefs-of-fakarava/>).
2. While reading the blog, take notes and connect it to your prior learning. Note things that you agree or disagree with. There is a space, below, for this.
3. Next, document what you like and dislike about this blog in the space below. Be sure to pay attention to things like style and tone, along with the content and visual design. Be sure to *explain* what it is that you do or do not like about each element.
4. Answer the questions.

NOTES**LIKES****DISLIKES**

1. What is the central idea of this blog?
2. What do the lagoon reefs of Fakarava look like? Cite specific textual evidence to support this.
3. Did the author fully support his claim? Explain why you think this.
4. *Archipelago*, *patch reefs*, and *emergent* are specific vocabulary for the topic of this blog. Define them below.
5. Write a sentence of your own creation that connects the three words from #4, above.



6. Is this blog a reliable source for scientific information? Why or why not?
7. Do you notice any bias in this writing? If so, what?
8. At the beginning of the blog, the author shares that he thinks the Fakarava lagoons are the “most unique.” Do you agree? Compare and contrast the information on the patch reefs of Fakarava lagoon (found in this blog) to that from the Colombia mission, linked at the end of the blog (<http://www.livingoceansfoundation.org/lagoon-life/>), and with information you have learned in class. Be sure to cite the other sources of information in your answer.
9. Describe three things that you learned while reading this blog entry (they do not have to relate to the central idea).
10. Construct a comment to post in response to this blog. Remember that a good comment makes connections, asks a question, or gives an opinion in a respectful manner. You might want to quote the part of the blog that you are specifically referring to. Don't be afraid to disagree with another writer, but be sure to explain yourself and remain polite.