



Khaled bin Sultan
Living Oceans
Foundation

STANDARDS

- **CCSS:** RST.9-10.1, 2, 3, 4, 5, 6, 7, 8, 10; RST.11-12.1, 2, 3, 4, 6, 8, 9, 10; W.9-10.2, 4; W.11-12.2, 4; SL.9-10.1, 2, 3, 6; SL.11-12.1, 2, 3, 6; HSN.Q.A.1; HSA.CED.A.1
- **NGSS:** ESS 2.A, HS-LS1-5, HS-LS1-7, HS-LS2-5, HS-LS2-6, PS 1.B, PS 3.D
- **OLP:** 4.A.1, 5.A.2, 5.A.6, 5.A.7, 5.B.5, 5.C.23, 5.C.40, 5.C.41, 5.C.42, 5.C.43

ONLINE CONTENTS

- [Coral Feeding Quiz](#)
- [Coral: What Does it Eat?](#) Video Coral polyps are mostly stomach, with a mouth on top. Symbiotic algae, zooxanthellae, live in the coral and provide them with energy. Corals also snatch zooplankton and other food particles right out of the water.

CORAL FEEDING

This lesson is a part of the *Coral Feeding* unit, which explains what corals eat, how they feed, and additional ways that they obtain energy. Below is a summary of what is included in the entire unit.

UNIT CONTENTS

A. [Background Information](#)

- Predation
- Symbiosis
- Photosynthesis
- Cellular Respiration

B. Lessons

[Watch it! Coral – What Does It Eat?](#)

- A worksheet to accompany the [Coral – What Does It Eat?](#) video

[It's Tentacular!](#)

- An activity to simulate feeding strategies of corals

[Symbiosis Charades](#)

- A game of charades adapted to learn different forms of symbiosis

[Round and Round](#)

- An art project to show the relationship between coral and zooxanthellae, photosynthesis and cellular respiration

[Read it! What's on the Menu?](#)

- A worksheet to accompany the [What's on the Menu: Sunlight, Plankton or Organic Debris?](#) field blog



READ IT!

WHAT'S ON THE MENU?

INSTRUCTIONS:

1. Read *What's On the Menu: Sunlight, Plankton or Organic Debris?*, a blog from our New Caledonia mission (<http://www.lof.org/whats-on-the-menu-today-sunlight-plankton-or-organic-debris/>).
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 into 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 is the question that Fanny Houlbreque is trying to answer?
3. What conclusion was made by the author? Cite specific textual evidence to support this.
4. Did the author fully support his claim? Explain why you think this.
5. *Plankton*, *organic matter*, and *isotopic signature* are specific vocabulary for the topic of this blog. Define them below.



