



Article Guide: Coral Victory - How Coral Vita Could Potentially Save the World's Reefs

<http://scienceovereverything.com/2018/05/22/coral-vita/>

Part 1: Threats to the reefs

Directions:

- Read the section of the article titled “Threats to the reefs?”
 - Box vocabulary words or words that you have not seen before
 - Underline in the text where the focus questions are addressed
- Answer each focus question

Focus questions

1. How have rising ocean temperatures hurt coral?

2. Why is ocean water becoming more acidic? How does ocean acidification affect coral?

3. What percentage of coral reefs are expected to die by 2050? What would happen to the species that rely on the reef for their habitat?

Part 2: Coral Vita’s Solution

Directions:

- Read each understanding question
 - Think about what you would need to know to answer that question
- Read the section of the article titled “Coral Vita’s Solution”.
 - Box vocabulary words or words that you have not seen before
- Answer each understanding question

Understanding questions

1. What do think is the evolutionary advantage of regenerating coral? Why would the natural healing process be so important given the environment where reefs exist?

2. Given the high number of reefs endangered around the world, explain why farming coral on land is such an advantage.

Part 3: A bright future for the reefs?

Directions:

- Read the section of the article titled “A bright future for reefs?”
 - Box vocabulary words or words that you have not seen before
 - Discuss with a partner how you would address the extension questions.
 - Write a response to the extension questions
3. Imagine you were the president of a developing nation located in a tropical ocean. Many of your citizens rely on the reef for food and a big part of your economy is based off tourism. Create 3 policies that would protect the reefs while at the same time continue to support the livelihood of your country’s inhabitants.
