



DATE

# Blue Impact: Coral Student Sheet

#### DIRECTIONS

Answer the following questions while watching the New England Aquarium's **Blue Impact** *Coral Breakup: A Tragic Love Story* video. It is a good idea to read all the questions before you start the video. You may need to pause or replay sections to help you answer the questions.

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### QUESTIONS

- 1. True or False: Healthy corals are white and colorless.
- 2. What is happening to some corals in the wild?
  - a. They are dying.
  - b. They are changing.
  - c. They are loosing their colors.
  - d. All of the above
- 3. Corals have a partner which is a(n) \_\_\_\_\_
  - a. pink blob; friend
  - b. color; symbiont
  - c. coral; microbe
  - d. algae; symbiont



- 4. List two things that the algae give to the corals?
- 5. What do the corals give to the algae?

6.	Describe	what	can	happen	to the	corals	if the	algae	never	come	back.

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#### For question #8, pause video at 4:09 or use image below.

8. Describe two actions that are helping to reduce the atmospheric  $CO_2$  level in this image.



*Example:* The use of wind turbines instead of power plants to make electricity from wind. Turbines do not need fossil fuels (stored carbon) to create electricity. They use natural wind power to create electricity. It does not add  $CO_2$  to atmosphere like coal-power plants.

## **CHALLENGE QUESTION: SHORT ESSAYS**

Answer the following questions on a separate piece of paper.

- 1. Explain, in detail, how a hotter atmosphere is contributing to coral breakups.
- 2. What can we do to prevent further coral bleaching?