



### Objectives

Students will be able:

- construct an educated response about the causes of climate change.
- identify methods to limit their negative effect on climate change.
- explain data that showcases climate change.

### Materials:

Laptop and/or paper

### Time

3 hours

### Prior to the Activity

Read "Coping With Climate Change," in *Agronomy Grow With It!*

### Author

John Nelson, Agri Science Instructor

## Chapter 7

# Climate What's Your Prediction?

### Standards

**MS-ESS3-2.** Analyze and interpret data on natural hazards to forecast future catastrophic events and inform the development of technologies to mitigate their effects.

**MS-ESS3-3.** Apply scientific principles to design a method for monitoring and minimizing human impact on the environment

**MS-ESS3-5.** Ask questions to clarify evidence of the factors that have caused the rise in global temperatures over the past century.

**Have students read** "Coping With Climate Change," in *Agronomy Grow With It!* Students will be introduced a few of the projected concerns and issues associated with climate change.

Set up the class for either an all-class discussion or small group discussions.

Have students take a minute to consider the following questions independently prior to discussing in either the full-class or small group discussion.

Based on the information from the reading, how will the climate change in your area?

Will these projected climate changes affect agriculture in your area? If so, how?

As they independently consider the questions, have students make notes on a separate sheet of paper, including the facts that will aid them in discussing the questions above.

Conduct the discussion as a large group or allow students to begin their discussion in small groups.

Students should use the information from the text to formulate answers to the discussion questions.

**Hint:** Instruct students to write down the highlights from the discussion. This will provide the students a starting point for their essays.

Once the discussion done, highlight some of the major points or have the small groups share their responses to the discussion questions.

Direct students to write an essay describing their reactions and thoughts associated with the reading.

Students should use the following questions to write their essays:

Based on the information from the reading, how will the climate change in your area?

Will these projected climate changes affect agriculture in your area? If so, how?

In your opinion, what can we do to help slow or stop these negative trends in global warming and climate change?

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[www.agronomy4me.org](http://www.agronomy4me.org)



5585 Guilford Rd.  
Madison, WI 53711-5801  
[agronomy.org](http://agronomy.org)



Write an essay describing your reactions and thoughts associated with the reading, "Coping With Climate Change," and from other research you have conducted on climate change.

Use your notes on the discussion highlights to help you organize your essay.

Use the following questions to write your essay:

Based on the information from the reading, how will the climate change in your area?

Will these projected climate changes affect agriculture in your area? If so, how?

In your opinion, what can we do to help slow or stop these negative trends in global warming and climate change?

