Review carbon graph

Teacher master AAA, *Climate Chart*
Focus question

- How do greenhouse gases in the atmosphere affect Earth’s temperature?
View online activity

“Greenhouse-Gas Simulator”

Weather and Water Course, 9.2: The Role of Carbon Dioxide
Step 3
Radiated energy

Notebook sheet 48, *Greenhouse Gases in the Atmosphere*

Record the number of arrows at each level of greenhouse gases as we go through them.
View video

Carbon Cycle

Weather and Water Course, 9.2: The Role of Carbon Dioxide
Step 12
Discuss carbon video

1. What are some ways CO₂ enters the atmosphere?
2. What are some ways that CO₂ leaves the atmosphere?
3. What are some ways that humans are changing the amount of CO₂ in the atmosphere?
View online activity

“Human-Caused Sources of Carbon Dioxide”
Read “Climates: Past, Present, and Future” on page 105.
Reading comprehension strategy

Problem-Solution Map

Definition

Problem

Causes

Solution

Effects

Weather and Water Course, 9.2: The Role of Carbon Dioxide
Step 16
Review vocabulary

Spend a few minutes reviewing the vocabulary for this part. Update the vocabulary index and table of contents in your notebook.

• carbon dioxide
• greenhouse gas
• infrared
Answer the focus question

• How do greenhouse gases in the atmosphere affect Earth’s temperature?
Homework

Continue to look for a news article related to climate change and bring it to class for discussion.
View online activity

Climate Blog

NASA Releases First Interactive Mosaic of Lunar North Pole.

3/18/14 7:27 PM


Author: NASA
Source: RELEASE 14-079.
Topic: Moon

Investigation 4, Part 1; Investigation 9, Part 2

Excerpt: Scientists, using cameras aboard NASA’s Lunar Reconnaissance Orbiter (LRO), have created the largest high resolution mosaic of our moon’s north polar region. The six-and-a-half feet (two-meters) per-pixel images cover an area equal to more than one-quarter of the United States. The entire image measures 931,070 pixels square—nearly 867 billion pixels total. LRO entered lunar orbit in June 2009 equipped with seven
Pair up with someone from another group to share, critique, and revise your notebook entries.