

# Section 11.1

## Natural Climate Change

### Before You Read



#### 1. Words to Know

Directions: Match the correct definition to the term on the left.  
Scan pages 464 – 475 to find the definitions.

Words to Know	Definition
_____ biogeoclimatic zone	A. chemicals in the air that trap and store solar radiation as thermal energy
_____ carbon sink	B. Earth's atmosphere allows solar radiation to enter, but traps thermal energy to maintain a steady temperature
_____ carbon sources	C. upwelling brings cooler-than-normal waters to the surface in the eastern Pacific Ocean, reaching farther west than normal. Winter temperatures are unusually warm in the southeast region of North America, and unusually cold in the northwest.
_____ El Niño	D. areas where carbon is released
_____ El Niño–Southern (ENSO)	E. the variation in surface winds, Oscillation including El Niño and La Niña events
_____ greenhouse gases	F. People who study past climates
_____ La Niña	G. a region with a certain type of plant life, soil, geography, and climate
_____ natural greenhouse effect	H. an area that stores large amounts of carbon-containing compounds
_____ paleoclimatologists	I. surface waters off the coast of Ecuador and Peru get unusually warm, which can result in unusually mild weather along the coast of British Columbia and in eastern Canada

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## 2. Predicting the Main Ideas of Section 11.1

Directions: Scan pages 464 – 475 looking at the pictures and titles within this section. Predict six things you think you will learn in this section.

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