Lesson 2 Climate Cycles

Predict three facts that will be discussed in Lesson 2 after reading the headings. Record your facts in your Science Journal.

--- Main Idea --- Details -----

Long-Term Cycles

I found this on page _____

I found this on page _____.

I found this on page _____.

I found this on page _

Distinguish *four ways scientists learn about past climates.*

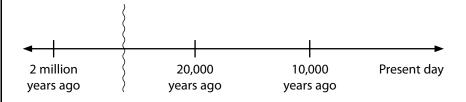
Compare *an* ice age *with an* interglacial.

Ice age: _____

Interglacial: _____

Model the time spanned by Earth's most recent ice age and interglacial on the time line. Use these labels:

- Ice age begins
- Maximum ice coverage
- Holocene interglacial begins



Identify four causes of Earth's long-term climate cycles.

- 1, _____
- 3. _____

Lesson 2 | Climate Cycles (continued)

Short-Term Cycles	Summarize two causes of short	-term climate cycles.	
I found this on page	Causes of	short-term e cycles	
		interaction between	
I found this on page	Diagram the position of Earth and its axis in relation to the Su during summer and winter in the northern hemisphere.		
	Summer in the Northern Hemisphere	Winter in the Northern Hemisphere	
found this on page	. Explain, in your own wo causes seasons.	ords, how the tilt of Earth's ax	

I found this on page	beginning of each of the 4 seas	ginnings of	
	Seasons		
I found this on page	Solstices Summer: axis to the Sun Winter: axis from the Sun Sequence the statement El Niño/Southern Oscillation	Equinoxes axis tilted so that both northern and southern hemispheres receive amounts of sunlight. beginning of and ants to describe the phenomenon of the ph	
	— Warm water surges back to South America, preventing cold water from upwelling.		
	Trade winds that blow from east to west weaken.		
	The normal pattern of high and low pressure across the Pacific is reversed.		
I found this on page	Compare FNSO and N	$\Delta\Omega$ weather patterns	

ENSO: El Nino/Southern Oscillation	NAO: North Atlantic Oscillation
Description:	Description:
Weather Pattern:	Weather Pattern:

Lesson 2 | Climate Cycles (continued)

Main Idea	Details
I found this on page	Explain how monsoons change with the seasons.
	Summer:
	Winter:
Droughts, Heat Waves, and Cold Waves	Define drought. Drought:
I found this on page	
I found this on page	Model the results of a drought and a heat wave occurring at the same time.
	Drought Heat Wave
	adamage
	b. shortages
	c. loss of
I found this on page	Describe the cause of cold waves.
Analyze It Review be the effect of a cold	w what can happen during a drought and heat wave. What might d wave?
1	