

Chapter 21 Climate

Section 21.3 Climate Changes

(pages 600–603)

This section describes natural processes and human activities that affect climate.

Reading Strategy (page 600)

Identifying Cause and Effect As you read, complete the table below. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.

Climate Changes	
Causes	Effects
Plate Tectonics	
	Changes can result in short-term fluctuations.
Earth's Orbital Motions	
	Eruption emissions can reflect more solar radiation, lowering temperatures.

Natural Processes That Change Climate (pages 600–601)

1. ➡ Is the following sentence true or false? El Niño or a change in ocean circulation can result in short-term climate fluctuations.

2. Use the words below to fill in the blank. The formation of sunspots appears to correspond with _____ periods in Europe and North America.

cool	warm	rainy
------	------	-------

3. ➡ Circle the letter of the motions of Earth that result in climatic changes.
 - a. rotations
 - b. plate tectonics
 - c. changes in the shape of Earth's orbit

Section 23 Climate Changes Worksheet

J Spring



Section 23 Climate Changes Worksheet:

Whispering the Techniques of Language: An Psychological Quest through **Section 23 Climate Changes Worksheet**

In a digitally-driven earth wherever monitors reign great and immediate interaction drowns out the subtleties of language, the profound strategies and psychological subtleties concealed within phrases frequently go unheard. Yet, set within the pages of **Section 23 Climate Changes Worksheet** a interesting literary prize pulsing with fresh feelings, lies an exceptional journey waiting to be undertaken. Penned by an experienced wordsmith, that marvelous opus invites readers on an introspective journey, gently unraveling the veiled truths and profound affect resonating within the very fabric of every word. Within the emotional depths of the poignant evaluation, we will embark upon a heartfelt exploration of the book is primary subjects, dissect its charming publishing type, and fail to the effective resonance it evokes deep within the recesses of readers hearts.

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web the six Na^+ ions and the six Cl^- ions that appear on both sides of the equation are spectator ions that can be canceled to give the net ionic equation $\text{Ba}^{2+} + 2\text{PO}_4^{3-} \rightarrow \text{Ba}_3(\text{PO}_4)_2 \text{ s}$

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web the equation below is the final net ionic equation after elimination of the spectator ions which yields water $\text{H}^+ \text{ aq} + \text{OH}^- \text{ aq} \rightarrow \text{H}_2\text{O l}$ the spectator ions in KOH aq and $\text{HNO}_3 \text{ aq}$ are $\text{K}^+ \text{ aq}$ and $\text{NO}_3^- \text{ aq}$ how to identify and list the

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web the $\text{Ag}^+(\text{aq})$ and $\text{Cl}^-(\text{aq})$ ions become $\text{AgCl}(\text{s})$ but the $\text{Na}^+(\text{aq})$ ions and the $\text{NO}_3^-(\text{aq})$ ions stay as $\text{Na}^+(\text{aq})$ ions and $\text{NO}_3^-(\text{aq})$ ions these two ions are examples of spectator ions ions that do nothing in the overall course of a chemical reaction

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