

## CHAPTER 11 CHECKLIST

<b>11.1 Natural Causes of Climate Change</b>		
	Activity	Date Completed
	In your journal write out the definition to each of the following terms.	
	<ul style="list-style-type: none"> <li>• El Nino</li> <li>• Greenhouse gases</li> <li>• La Nina</li> </ul>	<ul style="list-style-type: none"> <li>• Ozone layer</li> <li>• permafrost</li> </ul>
	READ textbook pages 464-475 COMPLETE reading check p467, 470, 473, 474,	
	COMPLETE the 'Biogeoclimatic Zones of British Columbia' on page 465 of your textbook. Use the 'Biogeoclimatic Zones Map' and the 'Biogeoclimatic Zones of British Columbia' handouts to complete this assignment.	
	WATCH the 'El Nino and La Nina' video. READ page 478-479 of your textbook. Draw a diagram in your journal to help you remember the differences between El Nino and La Nina.	
	COMPLETE the 'Generating the Greenhouse Effect' activity on page 476 of your textbook.	
	COMPLETE the 'Temperature and Angle of Incidence' activity on page 477 of your textbook. Use the 'Temperature and Angle of Incidence' handout to complete this activity.	
	Paleoclimatologists have found that Earth's climate has gone through several periods of warming between ice ages. Based on studies of ice cores, scientists think that levels of CO <sub>2</sub> in the atmosphere were higher during periods of warming and lower during ice ages. What factors could have caused Earth's climate to warm and then cool?	
<b>11.2 Human Activity and Climate Change</b>		
	READ textbook pages 482-496 COMPLETE reading checks p487, 494,	
	COMPLETE the 'What's All the Hot Air About CO <sub>2</sub> ?' activity on page 483 of your textbook.	
	COMPLETE the 'Calculating Carbon Emissions' activity on page 497 of your textbook. Use the 'Calculating Carbon Emissions' handout to complete this activity.	
	READ 'Sea Ice Melt in the Arctic' on page 500 of your textbook. WATCH 'Chasing Ice: Time-lapse cameras capture rapidly melting glaciers' video RESPOND in your journal to the following 'Do you think we have reached the tipping point where people are hearing the alarm yet. Or do you think it will take a major disaster before the world will pull together?'	
	COMPLETE the 'Put Yourself in the Future' handout.	
	Consider the following quotation: "You should never talk about a problem without talking about a solution." This statement was often made by Dr. Dixon Thompson, a founder of the environmental movement in western Canada and professor of environmental science. How do you interpret his statement? Review the chapter, listing five or more possible problems. For each problem, suggest a solution.	
	STUDY for chapter 11 test GO TO <a href="http://www.bcsience10.com/pgs/quiz_section11.1.htm">http://www.bcsience10.com/pgs/quiz_section11.1.htm</a> GO TO <a href="http://www.bcsience10.com/pgs/quiz_section11.2.htm">http://www.bcsience10.com/pgs/quiz_section11.2.htm</a>	
	WRITE chapter test OR complete a chapter project	