

CHAPTER 5 CHECKLIST

5.1 Acids and Bases																				
	Activity	Date																		
	CREATE a title page in your journal for chapter 5. Be sure to include the whole title of the chapter. Make the title page colourful and relevant to the chapter topic.																			
	<p>In your journal write out the definition to each of the following terms.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">• Acids</td> <td style="width: 33%;">• Inorganic</td> <td style="width: 33%;">• Organic chemistry</td> </tr> <tr> <td>• Bases</td> <td>• Litmus paper</td> <td>• Oxide</td> </tr> <tr> <td>• Bromothymol blue</td> <td>• Metal oxide</td> <td>• pH indicators</td> </tr> <tr> <td>• Concentration</td> <td>• Methyl orange</td> <td>• phenolphthalein</td> </tr> <tr> <td>• Hydrocarbon</td> <td>• Non-metal oxide</td> <td>• salts</td> </tr> <tr> <td>• Indigo carmine</td> <td>• Organic</td> <td>• solvent</td> </tr> </table>	• Acids	• Inorganic	• Organic chemistry	• Bases	• Litmus paper	• Oxide	• Bromothymol blue	• Metal oxide	• pH indicators	• Concentration	• Methyl orange	• phenolphthalein	• Hydrocarbon	• Non-metal oxide	• salts	• Indigo carmine	• Organic	• solvent	
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	<p>READ textbook page 218 GO TO the 'Azurite' weblink</p> <ul style="list-style-type: none"> • along the top of the webpage select 'Introduction' read this page • Now find the drop down menu 'Jump to Pigment' and select 'Azurite' <p>Answer the following questions in your journal:</p> <ol style="list-style-type: none"> 1. What is a pigment? 2. Pigments are the basis of all paints, and have been used for millennia. They are ground colored material. Early pigments were simply as ground _____ or _____, and were made into paint with _____ or _____. 3. In a chart summarize the following facts about the pigments, <u>azurite, cobalt green, indigo and a pigment of your choice</u>. Facts in chart: Chemical name, formula, origin, date of discovery. 																			
	READ textbook pages 220-229																			
	COMPLETE the 'Working with Acids and Bases' handout																			
	COMPLETE the 'Acidic, Basic, or Neutral?' experiment on page 221 of your textbook RECORD all observations and data in your journal. Then answer the 'What did you find out' section.																			
	COMPLETE the 'Properties of Acids and Bases' experiment on page 230 of your textbook RECORD all observations and data in your journal. Then complete the 'Analyze' and 'Conclude and Apply' section.																			
	<p>READ textbook page 232 In your Journal answer the questions 1-3 WATCH 'Ocean Acidification: Research on Top of the World' video READ 'Oceans becoming more acidic' SUMMARIZE the issues surrounding ocean acidification. Complete this in your journal, minimum one FULL page (ensure proper sentence and paragraph structure).</p>																			
	<p>READ the Insect stings articles online (note: there are two articles to read) COMPLETE the accompanied questions in your journal</p> <ol style="list-style-type: none"> 1. What happens to the bee after it stings? 2. What happens to the wasp after it stings? 3. What is bee venom made of? 4. Can the venom from a bee/wasp sting be neutralized? Why or why not? 																			

5.2 Salts		
	Activity	Date
	READ textbook pages 234-239	
	COMPLETE the 'Three Salts' experiment on page 235 of your textbook. RECORD all observations and data in your journal. Then answer the 'What did you find out' section.	
	READ textbook page 242 WATCH 'Naica Crystal Cave Mexico' Video COMPLETE accompanied questions in your journal <ol style="list-style-type: none"> Where is the Naica Crystal Cave located? What type of scientists are exploring the cave? How deep into the earth is the cavern? What is the temperature and humidity in the cavern? What are the risks of entering the cavern? How large is the cavern? Describe some of the characteristics of the crystals. What are the mysteries of the crystal cave? Why do you think the narrator calls the cavern an 'alien world'? 	
5.3 Organic Compounds		
	READ textbook pages 244-248	
	COMPLETE textbook activity page 245 'Sketching Organic Compounds' in your journal	
	READ the online article on 'How Plastics Work' COMPLETE accompanied questions in your journal <p>Introduction</p> <ol style="list-style-type: none"> What are plastics made of? What is a polymer? What are the benefits of plastics? Why is it important to recycle plastics? <p>Chemistry of Plastics</p> <ol style="list-style-type: none"> Give an example of a non-plastic polymer. What are the monomers commonly found in plastics? <p>Types of Plastics</p> <ol style="list-style-type: none"> What are the two major categories of plastics? Describe <u>one</u> of the common plastics identified in the article. <p>Making Plastics</p> <ol style="list-style-type: none"> Summarize how plastics are made. <p>Biopolymers and Recycling</p> <ol style="list-style-type: none"> Summarize the two strategies for producing bioplastics. Why do you think researchers are studying bioplastics? What are the benefits of it? For fun you can WATCH the two videos on plastics: 'Bioplastics' and 'Plastics from Potatoes'	
	READ the online article on how 'How Hair Coloring Works' COMPLETE accompanied questions in your journal <p>Introduction</p> <ol style="list-style-type: none"> How old is the tradition of hair colouring? <p>What exactly is hair?</p> <ol style="list-style-type: none"> What are the parts of mammalian hair? Is hair made of living cells? <p>Ingredients in Hair Color</p> <ol style="list-style-type: none"> What are the two main chemical ingredients involved in any colouring process that lasts longer than 12 shampoos? Summarize the three major hair colouring product levels. 	
	COMPLETE the 'Organic Compounds' word search handout	
	STUDY for chapter 5 test GO TO the website and select the practice tests.	
	WRITE chapter test OR complete a chapter project	