

CHAPTER 7 CHECKLIST

7.1 Atomic Theory, Isotopes, and Radioactive Decay		
	Activity	Date
	CREATE a title page in your journal for chapter 7. Be sure to include the whole title of the chapter. Make the title page colourful and relevant to the chapter topic.	
	In your journal write out the definition to each of the following terms. <ul style="list-style-type: none"> • Alpha particle • Beta particle • Chain reaction • Daughter isotope • Decay curve • Fission • Fusion • Gamma radiation • Half-life • Isotopes • Light • Mass number • Nuclear equation • Nuclear reaction • Parent isotope • Radiation • Radioactive decay • Radiocarbon dating 	
	READ textbook pages 286-299	
	DISCOVER the everyday items that contain some levels of radiation by going to the following websites provided. When you're done write a journal entry on three items that you found to be the most surprising. Describe how much radiation is in each, identify what isotope is present and describe why you thought these were the most interesting items.	
	COMPLETE the 'Building Bohr Model atoms and Ions' activity on page 292 of your textbook. RECORD all observations and data in your journal. Then answer the 'What did you find out' section.	
	COMPLETE the 'Modelling Radioactive Decay' activity on page 299 of your textbook. RECORD all observations and data in your journal. Then answer the 'What did you find out' section.	
	COMPLETE the 'Isotopes and Ions' handout assignment	
	COMPLETE the 'Isotopes' handout assignment	
7.2 Half-Life		
	READ textbook pages 302-308	
	COMPLETE 'Modelling Rates of Radioactive Decay' activity on page 303 of your textbook. Use 'Modelling Rates of Radioactive Decay' handout to assist you with this activity. RECORD all observations and data in your journal. Then answer the 'What did you find out' section.	
	COMPLETE 'Half-Life and Radioisotopes Dating' handout activity	
7.3 Nuclear Reactions		
	READ textbook pages	
	WATCH the 'Chernobyl Uncensored Documentary' video SUMMARIZE the video in a journal response.	
	RESEARCH Japan's Fukushima Nuclear Disaster and fill in the 'Speech Bubble Reflection' handout with facts about it	
	STUDY for chapter 7 test GO TO the website and select the practice tests.	
	WRITE chapter test OR complete a chapter project	