Key Content Vocabulary	Key Understandings & Guiding Questions	Higher Level Thinking Application	Textbook Correlation
Cell cycle	Organisms can reproduce asexually or	Compare and Contrast Meiosis &	Chapter 10-Cell Growth & Division
Cleavage furrow	sexually in order to grow, repair tissue,	Mitosis	Pg. 275-278
Cell plate	and/or continue the species.		
Meiosis	<ul> <li>How does mitosis result in genetically</li> </ul>	Cell Division	Chapter 11/4 - Meiosis
Mitosis	identical daughter cells?		
Cytokinesis	<ul> <li>What is the significance of preserving</li> </ul>	1. The nerve cells in the human	
Interphase	chromosome number in mitosis?	nervous system undergo	
Chromosomes	<ul> <li>How does meiosis result in genetically</li> </ul>	mitosis. Based on this	
Prophase	unique daughter cells?	information, explain why	
Metaphase	<ul> <li>What is the significance of reducing</li> </ul>	complete recovery from	
Anaphase	chromosome number in meiosis?	injuries to the nervous	
Telophase		system may not occur.	
Cyclins		2. Describe the difference	
Gametes		between cell division in an	
Haploid		animal cell and cell division in	
Crossing over		a plant cell.	
Chromatids		3. Write a hypothesis about	
Independent Assortment		what you think would	
G1,G2,S,M		happen if cyclin were	
Chromatin		injected into a cell that was	
DNA Replication		in mitosis.	
Spindle Apparatus			
nuclear envelope			
radiating fibers			

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Key Process Vocabulary	Activity/ Notes/ Lab Correlation	TEKS Correlation	Online Supplemental
	Cell Reproduction PP	B.5 Describe the stages of the cell	
	Chapter 10 Vocab Review pg. 122-123	cycle, including deoxyribonucleic acid	
	Chapter 10 Concept Map pg. 125	(DNA) replication and mitosis, and	
	Chapter 10 Guided Reading pg. 265-270	the importance of the cell cycle to	
	Mitosis squares Act (LAB)	the growth of organisms	
	Chapter 11 Guided Reading pg. 278		
	Mitosis Microscope Slides	B.6G Recognize the significance of	
		meiosis to sexual reproduction	

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