Name Class Date						
Section 10-3 Regulating the Cell Cycle (pages 250-252)						
TEKS FOCUS: Contributions of scientists						
This section describes how the cell cycle is regulated. It also explains how cancer cells are different from other cells.						
Controls on Cell Division (page 250)						
1. What happens to the cells at the edges of an injury when a cut in the skin or a break in a bone occurs?						
2. What happens to the rapidly dividing cells when the healing process nears completion?						
Cell Cycle Regulators (page 251) 3. What do cyclins regulate?						
4. What are internal regulators?						
5. Circle the letter of each sentence that is true about external regulators.						
a. They direct cells to speed up or slow down the cell cycle.						
b. They prevent the cell from entering anaphase until all its chromosomes are attached to the mitotic spindle.						
c. They include growth factors.						
d. They prevent excessive cell growth and keep the tissues of the body from disrupting each other.						
Uncontrolled Cell Growth (page 252)						
6. What is cancer?						
7. Complete the flowchart about cancer.						
Cancer cells don't respond to signals that regulate						
Cancer cells form masses of cells called						

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Cancer cells break loose and spread throughout the _

Name		Class		Date			
	ordWise aplete the se	ntences by using	g one of the scran	ıbled words belo	w.		
Word Bank spetmeaha sdtihcmora nilpsed lecl yeclc nacecr cinlyc		eshaploet elcl voisdini tenilorec	phsaeorp metonercer	kniesscitoy astinhepre	aasehpan sotimsi		
2.3.	The division of a cell's cytoplasm is called The final phase of mitosis is The phase of mitosis in which microtubules connect the centromere of each chromosome to the poles of the spindle is At the beginning of cell division, each chromosome consists of two sister						
5.	The longest phase of mitosis is The phase of mitosis that ends when the chromosomes stop moving is						
7.	The process by which a cell divides into two new daughter cells is called						
8.	A tiny structure located in the cytoplasm near the nuclear envelope is a(an)						
9.	A disorder in which some of the body's cells lose the ability to control growth is called						
10.	The area where a pair of chromotids is attached is the						
11.	The division of the cell nucleus is called						
12.	A protein that regulates the timing of the cell cycle in eukaryotic cells is						
13.	The series	of events that	cells go through	n as they grow	and divide is k	nown as the	

14. A fanlike microtubule structure that helps separate the chromosomes is a(an)

15. The time period between cell divisions is called _____