	‰ Name:		Date:
Ch 11.1 and 11.2 Reading Guid			
Case Study: Will stem cells change the future of healing? (p 337)			
What did Gurdon's work reveal about adult cells? What types of illnesses could regenerative medicine treat? What are the possible risks of using stem cells?			
11.1 Cell Growth, Division, and			
4. Cells divide because as the gr	ow larger, they become	eless	
5. The rate at which exchanges t			
6. What is the surface area of a	cube that is 2 cm x 2 cm	1 x 2 cm?	(Fig 11-1)
7. The process by which a cell d	livides into two new daเ	ughter cells is called cel	II
8 reprod	luction creates genetica	ally identical offspring from	om a single parent.
9. Sexual reproduction involves	the fusion of two reproc	ductive cells from two page	arents.
10. What is an advantage of ase	xual reproduction?		
11. What is an advantage of sex			
11.2 The Process of Cell Divisi	on		
12. Genetic information is bundle	ed into packages of DN/	A called	
13. What is the shape of a proka			
14. The complex of DNA and pro	otein in eukaryote cells i	s called	
The Cell Cycle			
15. During the cell cycle, a cell g			
16. What are the three phases of			
17. During which phase does DI			
18. What is the "M" phase name	J 101 ?		
Mitosis			
19. The first phase of mitosis is			
20. Sister chromatids are held to			
21. What structures move to opp	_		
22. Plants organize 23. During phase phase do chro	uilectiy	i the equator?	IOIT.
24. During what phase do sister			
25. What is the final phase of m			
26	is the process where	one cell becomes two	cells.
27. In plants, a new cell	forms to sepa	arate the new cells.	
28. Label the phases:			
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