N	9	m	e_
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Hour

Cell Cycle

Label the diagram below of a chromosome. Use these choices:

	Centromere	Chromatids	microtubules	
C	ompletion			
1.	The M phase is also h	known as	·	
2.	Each pair of chroma	tids is attached at an	area Called the	•
3.	The three phases of_		are G2, S, and G2.	
4.	The grow and divide		es of events that Cells go throu	igh as they
M	ultiple Choice			
		tion and that each dau vision s inesis	hter Cell gets one Complete set Ighter Cell also has inCreased s	

6. Before cell division, each chromosome consists of two identical "sister"

- a. Centromeres.
- b. cell cycles.
- C. Chromatids.
- d. spindles.

7. The four phases of the cell cycle are

- a. interphase, mitosis, G_1 , and G_2
- b. M phase, G_1 phase, S phase, and G_2 phase
- C. prophase, metaphase, anaphase, and telophase
- d. Cytokinesis, mitosis, interphase, and metaphase

_____8. If a cell has 12 chromosomes, how many chromosomes will each of its daughter cells have after mitosis?

- a. 4
- b. 6
- C. 12
- d. 24

Short Answer

9. What are the four phases of the Cell CyCle?

10. What happens when the Cell Copies its Chromosomes?

11. Describe what happens during interphase.