## Study Guide – Mitosis and Meiosis

1. What are the two ma	in parts of the cell cycle?	and
2. What is divided into	two cells during mitosis?	and
3. b.	happen during Interphase.	
	oent in Interphase?	
B.	called?  L  Atids be copied before mitosis or	A meiosis?
S. Define diploid		(2024) and
9. How did you get tw	o sets of chromatids?	
10. List the phases of M		and the second s
3,	4	
11. What phase is this?	11 Annual Control of the Control of	
Tell me one thing that i	is happening in this cell that is yo	our clue!
12. Match the event wi a. Nucleus dis b. Chromoson c. Two nuclei	integrates nes separate into chromatids	1. Anaphase 2. Telophase 3. Prophase

part and a control of the State	and the same of th		resolution of the property of		- Migrate (M. 1807) 18 (m. n. h.)
15. How many					
a. 46	b. 44	c. 3	6	d,24	
16. If the h		I number is 4 b. 23	6, what is i		naploid number? None of these
17. Match	the picture w	ith its name.	Secretaria Secretaria		
	*)	d(	建款	) 1	Telophase
h (	14	)		2.	Anaphase
0,1		J	-	3.	Interphase
		e,	(6	) 1	Metaphase
				5.	Prophase
18. Label tl	ne chromosor	ne, sister chr	omatids, s <sub>j</sub>	2.	s and the centriol
		*	<b>》</b>	C	
19. How no	my cells are	made during	mitosis?_		TW.
20, Give tw a. b,		ny body cells			
	h phase of the		s the growi		nterphase

22. Mistakes in Mitosis results in
a. Birth Defects b. Cancer c. no problems
23. If a cell has 20 chromatids, what will both cells have after mitosis?  a. 10  b. 5  c. 40  d. 20
24. Chromatin is different from a chromatid
<ul> <li>a. Chromatin is uncoiled, chromatid is coiled.</li> <li>b. Chromatin is found in Interphase, chromatid during Prophase.</li> <li>c. Chromatin is being used as the blueprint.</li> <li>d. All of the above.</li> </ul>
25. What is the name of the phase at B? 26. How many cells are formed by the end? 27. Which cell is in Metaphase II? 28. What kinds of cells are produced? a. diploid gametes b. diploid body cells c. haploid gametes
29. This structure is called a
30. A tetrad is made of two chromosomes. a. homologous b. different c. uncoded
31. Why are the last four cells called haploid?

What process produces cells to heal a cut on m	ry finger?	
	****	(Tal/asf
What process produces cells for reproduction?	$\label{eq:constraints} A_{ij} = A_{ij} + A_{ij$	1113.m
What connects two sister chromatids?	Andrew Control of Cont	
A gene is		
a. A segment of DNA the codes for one tra	it	
<ul> <li>b. A coiled up piece of DNA</li> <li>c. the part that holds the chromosome toget</li> </ul>	ber	
When an area of one chromatid is exchanged w	with the matching area on a	chromatid of as
ologous chromosome, a. Crossing over	occurs	
b. Fertilization		
c. Cancer		
Reproduction that requires two parents is called		
and a man and and and the benefits is resiled	Andrews of the proof of security sections of a second section of the section of t	Acceptation of the second
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Aistakes in meiosis result in	MITOSIS AND M	€10 515   Meiosis
Aistakes in meiosis result in	MITOSIS AND M	1
distakes in meiosis result in	MITOSIS AND M	1
Two new cells are furned from each original	MITOSIS AND M	1
COMPARING  Two new cells are furined from each original  Four new cells are furined from each	MITOSIS AND M	1

Cells with a reduced chromosome number

Cells with the same chromosome

umbers at original are formed

Results in farming egg at sperm cells

8. Results in forming sometic or body cells

5. are formed