	Total Control of the	
Name	Class	Date
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Skills Worksheet

Test Prep Pretest

Ch 6 & 7

Asmt

pace provided, write the letter of the lette	ne term or phrase that best completes tion.
 As a cell prepares to divide, a I proteins coil to form a chromatid. gene. chromosome. centromere. 	ONA molecule and its associated
 2. What is the number of chromosa. 23b. 46	somes found in a human body cell? c. 48 d. 64
3. The sex of a human offspring isa. the female.b. the male.c. both the female and the male.d. neither the female nor the male.	e.
4. Bacteria reproduce through ana. meiosis.b. cytokinesis.c. interphase.d. binary fission.	asexual process called
 5. In plant cells, cytokinesis requira. a. Golgi apparatus. b. cell wall. c. centromere. d. series of protein threads. 	res the formation of a new
 6. Gene mutations that result in ca a. overproduction of growth-pr b. underproduction of growth-p c. activation of control proteins d. Both (a) and (c) 	omoting proteins.
7. Which of the following is NOT percentage.a. microtubulesb. belt of protein threads	c. spindle fibers d. centrioles

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Complete each statem	ent by writing the correct		
	is a segme		
tion from parent t			
	an extra copy of chrom		
10. The 22 pairs of chi	romosomes in human so	matic cells that ar	
11. The human chrom	osomes that determine a	an individual's sex	are called the
	to the sequence below.	-> M> C	
	re represents the		
13. The S in the sequer	nce represents the phase		
14. Phases G ₁ , S, and G	$rac{1}{2}$ in the sequence above	are collectively ca	alled
	tein structure that helps		mosomes apart
	uncontrolled cell divisi		
	binary fission, the DNA		
	d write your answer in th		
what happens to the	e structure of DNA in yo	ur cells prior to ce	ell division?

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19. Explain the cell and a	ne difference in the i frog egg cell.	number of chromos	omes between a frog somatic
20. What happ	pens when nondisju	nction takes place of	luring cell division?
21. Describe	what happens at eac	h checkpoint during	g the cell cycle.
22. What are t	the four stages of mi	tosis in the correct	order?
23. Explain th	ne events that take p	lace during each sta	ige of mitosis.

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4. Describe the events t	that take place during each p	hase of interphase.
5. List four types of ever	nts that take place in a eukar	votic organism such as a

Manage	Clican	
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Skills Worksheet

Test Prep Pretest

Complete each statement by writing the correct term or phrase in the space provided.

1. Asexual reproduction limits	diversity.
2. Spermatogenesis produces	sperm cells.
3. Asexual reproduction methods include	,
fragmentation, and	
4. In the haploid life cycle, gametes are produced by	2 000 EVE 000 EVE
and the zygote is produced by	<u> </u>
5. When corresponding portions of chromatids on two h	omologous
chromosomes change places,	
6. Only one ovum is produced by	
7. In plants that have alternation of generations, the hapl	loid
produces the gametes.	
8. Increased genetic variation often increases the rate of	i a a acut
9. Meiosis in plants often produces that later lead to the production of gametes.	
10. Crossing-over is an efficient way to produce	
, which increases genetic di	versity.

0.7			
11754		110	
17.3	CARL	100	

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Questions 11-14 refer to the figure below.



Α

B

C

12. In the process shown above, label A refers to

13. In the process shown above, label B refers to

and

14. In the process shown above, label C refers to

15. In the process shown above, label C refers to

Read each question, and write your answer in the space provided.

15. Describe the similarities and differences between the formation of male and female gametes.

16. Identify and describe the three types of asexual reproduction.

Test Prep Pretest continued 17. What is the difference between anaphase I and anaphase II? Why is the difference significant? 8. Describe the haploid and diploid life cycles. 9. Describe the advantages and disadvantages of sexual reproduction. 18. Describe the advantages and disadvantages of sexual reproduction.	Name		Class		Date
8. Describe the haploid and diploid life cycles. 9. Describe the advantages and disadvantages of sexual reproduction.	Test Prep Pretest contin	nued			
8. Describe the haploid and diploid life cycles. 9. Describe the advantages and disadvantages of sexual reproduction.					
9. Describe the advantages and disadvantages of sexual reproduction.				anaphase II	?
9. Describe the advantages and disadvantages of sexual reproduction.					
9. Describe the advantages and disadvantages of sexual reproduction.					
9. Describe the advantages and disadvantages of sexual reproduction.					
9. Describe the advantages and disadvantages of sexual reproduction.					
	18. Describe the haploid	and diploid l	ife cycles.		
D. How does crossing-over affect evolution?	9. Describe the advantag	es and disad	lvantages of s	exual reprod	uction.
D. How does crossing-over affect evolution?					
D. How does crossing-over affect evolution?	~ -				
0. How does crossing-over affect evolution?					
	0. How does crossing-ove	er affect evo	lution?		

