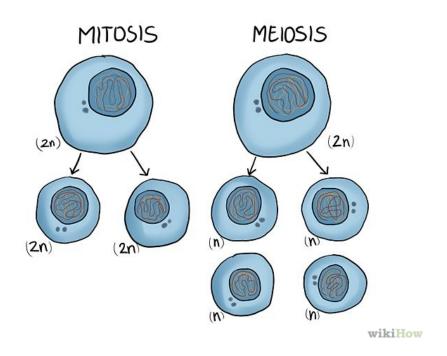
	Name:			Period:			
	Cell Division and Meiosis Review						
1.	What type of cell undergoes meiosis?	gamete cells	or	somatic cells			
2. For each of the following, is the cell diploid or haploid?							
	Somatic cell	Gam	ete				
	Egg cell	Musc	ele cell				
	Sperm cell	Hear	t cell _				
		Bone	cell_				
3.	If the diploid number in a white blood centhe egg of this organism?	ll of an organism i	s 62, ho	ow many chromosomes are there in			
4.	The muscle cells of a dog have 78 chromosomes. How many chromosomes will each of the following have:						
	dog's skin cell dog's egg cell dog's liver cell						
5.	What is the difference between haploid, diploid, and a zygote?						
6.	6. Why does meiosis reduce the number of chromosome in gametes (think fertilization)?						
7.	An egg cell is a ( <i>gamete or zygote</i> ), and is	( <b>haploid</b> or <b>diplo</b>	i <b>d</b> ).				
8.	Asexual reproduction of cells is accomplise a) mitosis b) meiosis	shed by:		tokinesis notosynthesis			
9.	Sexual reproduction of cells is accomplish a) mitosis b) meiosis	hed by:	•	tokinesis notosynthesis			
10	a) mitosis b) meiosis	cation?	-	th mitosis and meiosis ither mitosis or meiosis			

11. Which process(es) end with cytokinesis? a) mitosis b) meiosis	c) both mitosis and meiosis d) neither mitosis or meiosis
12. Which process(es) contain only 1 division of cells? a) mitosis b) meiosis	c) both mitosis and meiosis d) neither mitosis or meiosis
13. Which process(es) contain 2 divisions of cells? a) mitosis b) meiosis	c) both mitosis and meiosis d) neither mitosis or meiosis
14. Which process(es) result in 2 identical cells? a) mitosis b) meiosis	c) both mitosis and meiosis d) neither mitosis or meiosis
15. Which process(es) result in 4 different cells? a) mitosis b) meiosis	c) both mitosis and meiosis d) neither mitosis or meiosis
<ul><li>16. Which process(es) occur in body cells (such as skin, muscle, a) mitosis</li><li>b) meiosis</li></ul>	<ul><li>and bone)?</li><li>c) both mitosis and meiosis</li><li>d) neither mitosis or meiosis</li></ul>
17. Which process(es) occur to make gametes (sex cells)? a) mitosis b) meiosis	c) both mitosis and meiosis d) neither mitosis or meiosis
18. What is the process of sperm and egg combining? a) fertilization b) nondisjunction	c) mutation d) crossing over
Complete the table by checking the correct column(s) for each	ch description

Complete the table by checking the correct column(s) for each description.

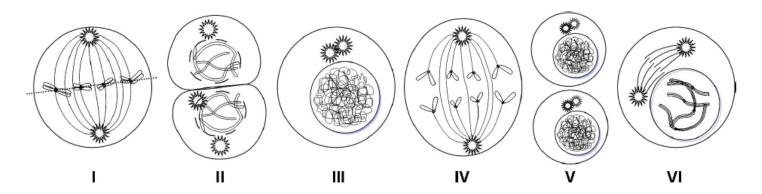
Description	Mitosis	Meiosis
19. Involved in the production of gametes		
20. Involved in growth and repair		
21. Promotes genetic variation in organisms		
22. Consists of one nuclear division		
23. Produces daughter cells that are genetically identical		
24. Involves two sets of nuclear divisions		
25. Produces daughter cells that are not identical		
26. Results in four haploid gametes		

27. Both diagrams below show cell division. Label them as either mitosis or meiosis.



28. How are meiosis and mitosis different/same?

## Use the following diagram to answer the next three questions.



- 29. Refer to the diagram. Arrange the stages in order.
  - a) I, II, III, IV, V, VI
  - b) VI, II, I, IV, V, III

- c) III, VI, I, IV, II, V
- d) V, II, IV, I, II, VI

- 30. What is the name of this process?
  - a) metaphase
  - b) mitosis

- c) meiosis
- d) mucousis