Heredity Unit 2 Test Review

Name:		_ Date:	Hour:	Test #:	_
1. Define	e each of the following words:				
a.	Chromatids:				
b.	Centromere:				
	Cain dle Eilean				
c.	Spindle Fiber:				
d.	Mitosis:				
	Synapsis:				
f.	Tetrad:				
g.	Spermatogenesis:				
h.	Oogenesis:				
i.	Zygote:				
j.	Crossing Over:				
k.	Meiosis:				
1.	Polar fibers:				
m.	Kinetochore fibers:				
n.	Chromatin:				
0.	Oogenesis:				
p.	Sexual Reproduction:				
q.	Polar Bodies:				
r.	Homologous Chromosome:				
2. What	are the steps of DNA condens	ing from chron	natin to chromosomes	?	
	n Chromosome Numbers?				
a.	Diploid Number:				
	Haploid Number:				
c.	Somatic cell number:				
d.	How many sex chromosome	es?			
e.	How many non-sex (autosor	nes) chromosoi	nes?		

What is diploid? What symbol is used to represent it? Which cells in an organism are diploid? What is haploid? What symbol is used to represent it? Which cells in an organism are haploid?						
	b.					
	c.					
	d.					
V		iiiiii				
	b.	iii i ii iii iv				

c		
9. Which stage of the cell cy	cle does the cell spend most of its life in?	
10. What is the difference bet	ween animal and plant cells in mitosis/cyto	okinesis?
to recognize pictures of ea	osis I? Briefly explain main events that hanch phase on your test. (Study pictures from	m "Meiosis Worksheet")
b		
c		
d		
to recognize pictures of ea	osis II? Briefly explain main events that hanch phase on your test. (Study pictures from	m "Meiosis Worksheet")
c		
d		
13. How do Meiosis I and Me	piosis II differ?	
14. How many cell divisions a 15. Fill in the charts below.	are in mitosis? Meiosis?	
	Meiosis	Mitosis
Type of Reproduction (Sexual or Asexual)	2 200 00	22.0
Does crossing over occur?		

	Meiosis	IVIILOSIS
Type of Reproduction		
(Sexual or Asexual)		
Does crossing over occur?		
Pairing of Homologous		
Chromosomes		
# of Divisions		
# of Daughter Cells		
Are daughter cells genetically		
identical or different?		

Meiosis I	Meiosis II
	Meiosis I