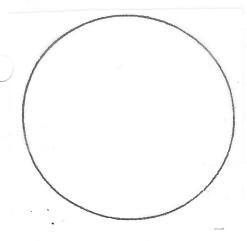
Name.					
		ANIMAL MITOSIS			
introduction: In thi	s unit we will examine the p	process by which an anima	l begins to develop	from a single c	ell.
folder holding the s the printed text, an	e directions for the use of the slide and slide and slide and slide and slide and slide and swer the question for that simay find the answer as you	nd study the description in slide on this sheet. If you	the text folder. Aft don't know the answ	ter studying ea ver, go on to th	ich slide ne next
a. The proc	ess of cell development des	cribed in this set is called			
b. The spec	imen studied is the egg sac	of the ascaris worm. Why	?		
Slide 1 – The Zygot	0				
	e shows the zygote, the fert	ilized egg of the ascaris. F	low many masses of	f chromatin car	ı you se
b. Where d	id the masses come from? _				
c. The amo	unt of hereditary material s	upplied by each parent of	the ascaris is <b>EQUAL</b>	. / NOT EQUAL	(Circl
ide 2 – Pro-Meta	<u>ohase</u>				
a. Draw wh	at you see in this slide. Lab	el the chromosomes supp	ied by the sperm.		
b. How mar	ny total chromosomes can y	ou see?			
	ent supplied chromo	osomes to from the zygote			
Slide 3 – Metaphas	<u>e</u>	·			/
		a. Draw what you			
		b. Label the equato	orial plate, a centrio	le & the spindl	e fibers

## Slide 4 - Metaphase - Polar View

	a. How does this picture differ from that in slide 3?			
	b. In this slide, the chromosomes are seen as they lie flat on the			
Slide 5	– Early Anaphase			
	a. How many total chromosomes are shown in this slide? (Hint: Compare with slide #3)			
	b. The number of chromosomes in this slide contain enough hereditary material for cells.			
Slide 6	– Anaphase			
	a. The chromosomes in this slide have separated to form groups. Each group contains	- -		
	total chromosomes.			
	b. Why do some of the chromosomes appear to be beaded in places?			

## Slide 7 - Telophase



- a. Draw what you see in this slide.
- b. The two groups of chromosomes are:

STILL CONNECTED / COMPLETELY APART FROM EACH OTHER. (Circle One)

c. What is happening to the cell membrane?

## Slide 8 - Late Telophase

- a. How many cells are seen in this slide?
- b. How do these cells compare with the cell in slide 1? \_\_\_\_\_
- c. How many total chromosomes are involved in human mitosis? \_\_\_\_\_