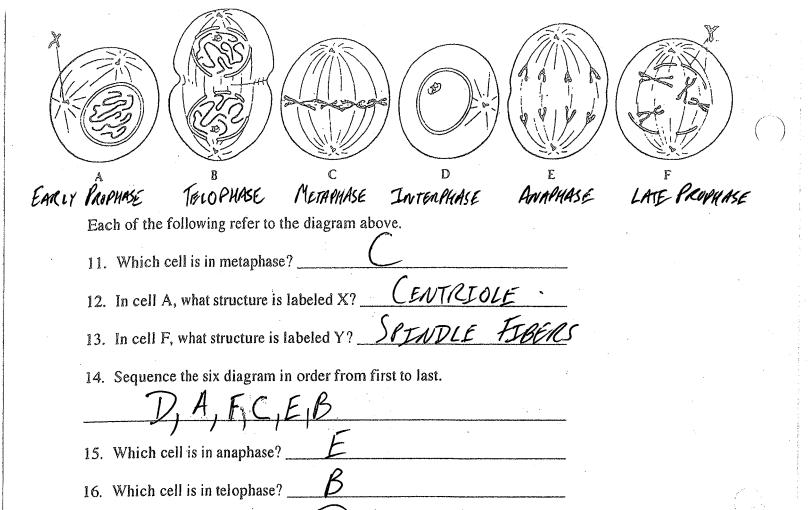
	Name	Date	Period			
	Mitosis Quiz					
	MILLOSIS AUS					
	1. If a cell's job is to produce the enzyme catalase, it will do so primarily during which phase of the cell cycle?					
	3. Ga of interphase	c. metaphase				
	b. S of interphase	d. telophase				
		• .				
	2. Why must cell division occur?		was SA/N/al rasio			
	a. rate/efficiency of diffusion	c. maintain iai	rge SA/Vol ratio			
	b. limited DNA	(u) an or the at	OVE			
	3. Centromeres are split apart in v	what phase of mitosis?				
	a. interphase	c. metaphase				
	b. prophase	d.) anaphase	Vi.			
	/ -					
	4. Before a cell can divide into two, what must happen?					
	(a). DNA must be copied	c. cell must ge				
	b. DNA must be cut in half	d. reduction in	# of organelles			
		3	•			
17	5. Sister chromatids are	(c.) genetically	identical			
$\mathcal{N}(\mathcal{O})$	a. going to the same cell after mitosisb. attached by a centriole	d. homologou				
	D. attached by a controle	a. nomologou				
	6. The spindle forms during what phase of the cell cycle?					
	a. interphase	c. metaphase				
	(b) prophase	d. telophase				
	a. uncoiled and visible	e. uncoiled an				
	b. coiled and visible	d. coiled and i	nvisible			
	R					
•	8. DNA is replicated during	o C abose of	interphase			
	a. G ₁ phase of interphase	 c. G₂ phase of d. prophase 	inter buase			
	(b) S phase of interphase	u. propiiase				
	H_9. Which of the following is NOT true regarding centrioles					
	(a) they are only found in plants					
	b. they move to opposite ends of the cell	during prophase				
	c. they are made of microtubules					
	d. they are only found in animals					
	ρ					
()	10. Division of the cytoplasm is k					
	a. cytoplasmlysis	c. mitosis				
	(b.) cytokinesis	d. cell cycle				



17. Which cell is in interphase?

		a. identical chromosomes bonded together at a centromere					
L	centrioles	b. condensed DNA duplicated or unduplicated					
J	chromatin	c. uncontrolled cell growth					
B	chromosome	d. damages DNA					
<u>}</u>	chromatids	e. tells cells it's ok to divide (like "accelerator")					
<u></u>	mutagen	f. microtubule structures that move chromosomes around in cell division					
H	contact inhibition	g. it joins two sister chromatids at the center					
F	spindles	h. stops a cell from dividing when other cells are touching it					
<u>C</u>	cancer	i. a change to the DNA					
E	oroto-onco gene	j. uncoiled, tangled mass of DNA					
Kt	tumor suppressor gene	k. tells cells not to divide (like "brakes")					
Ir	nutation	1. these barrel-shaped microtubules move to opposite poles					
&&&&&	&&&&&&&&&	\$					
C	_Anaphase	a. the longest phase- most of the cell's life is spent in this phase					
E	Telophase	b. phase in which chromosomes line up at the equator (midline)					
A	Interphase	c. phase in which chromosomes separate and move to opposite poles					
B	_Metaphase	d. phase in which the nuclear membrane dissolves					
D	Prophase	e. phase in which there are two separate nuclei and membranes re-form					
		en e					

CONTROL OF CELL CYCLE CONNECTIONS CIRCLES

RE		

1. Write a definition for each term in the lines provided.

2. Connect as many circled terms as you can and write a brief description of the connection on the line you draw

ALWAYS Kinase AMOUNT TN CEUS INTERACT Y KENH ACTENATES ENZYMES TO MOVE Cell (YCLE KNAMAN) WHEN
BOWN TO A CYCURAL Oncogene + 60 (WHEN Proto-oncogene IT SHOWDAY) MUTATE P.O. genes codes for Cell (ICLE TO GO WHEN it shouldn't SEGMENT OF DNA THAT CODES FOR CELL (YOU TO GO. Tumor Suppressor Tumor Suppressor Protein Proteins that stop the cell cycle (cell cycle arrest) DNA SEGMENTS THAT CODE FOR PROTEGENS TO STOP CEN CYCIE Checkpoint Controls Proteins that stop the cell cycle because something is wrong.