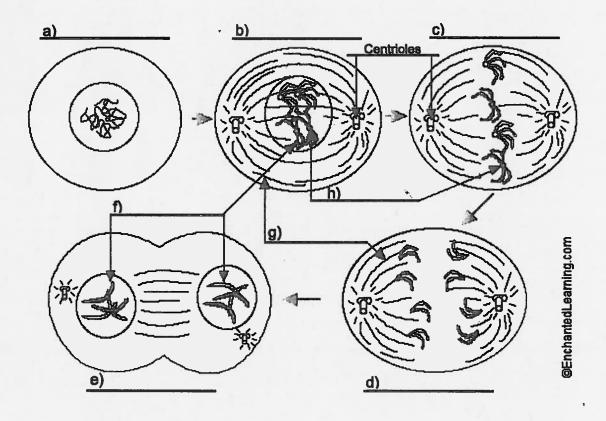
Mitosis Worksheet

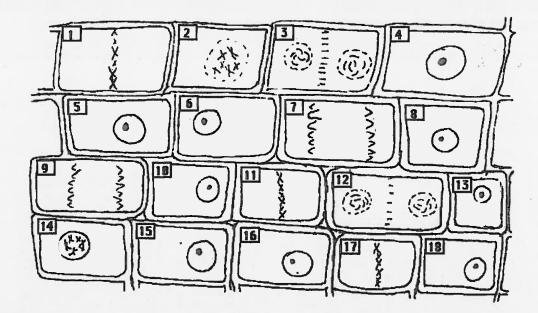
1. Label the following diagram with the phase of mitosis, (a) through (e), or the type of cell structure, (f) through (h), seen during mitosis.



- 2. During which stage of a cell's cycle do the replicated chromosomes thicken and become visible?
- 3. During which stage of a cell's cycle do the replicated chromosomes line up on the equator of the cell?
- 4. During which stage of a cell's cycle do the chromosomes replicate?

5.	The	draw	ring below has b Based on the dra	een made from a photograph showing a cell undergoing wing, in what stage of mitosis must the cell have been in?	
6.	The	draw	ings A-E show s	tages of mitosis in an plant cell.	
	light and the second	Maria Rose Lastr			
	(a) Which of the drawings A -E shows				
		(i)		(DNA is replicated)	
		(ii)		(chromosomes - 2 sister chromatids - shorten)	
		(iii)	metaphase	(sister chromatids line up)	
		(iv)	anaphase	(sister chromatids separate)	
		(v)	telophase	(new nucleus forms at each end)	
		(vi)	cytokinesis	(cell contents divided between 2 daughter cells)	
	(b)	Give	two processes	which occur during interphase and which are necessary for e.	
			leteyata 'cell	of the cell and of the DNA	

7. This drawings shows various stages of mitosis in a fast growing onion root tip.



Identify the cells (by number) which are in the following stages of mitosis:

interphase	
prophase	
metaphase	
anaphase	
telophase	

8. Using colored pens or pencils, show how 2 chromosomes are passed from parent cell to two daughter cells.

