

## Comparing Mitosis and Meiosis : Contract # 1

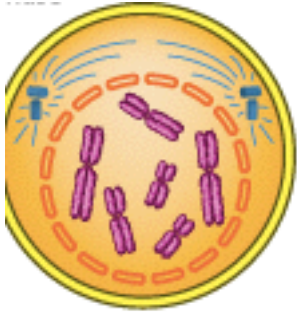
Part 1: Fill out chart below using the word bank provided. Come see Ms. Bost once you are done! :)

### WORD BANK!

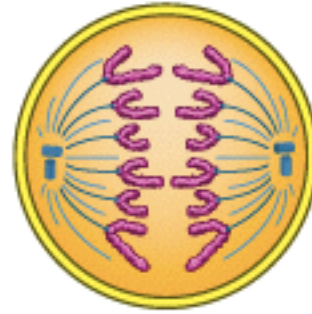
	Mitosis	Meiosis
Types of cells involved		
Types of organisms involved		
Number of divisions		
Final number of daughter cells		
Final chromosomes number		
Daughter cell genotype		
Crossing over		

- same as parental number (diploid)
- all
- 2
- identical to parent cell
- during prophase 1 of meiosis 1; DNA of homologous chromosomes can be exchanged
- somatic cells
- half the parental number (haploid)
- 4
- differ from parent cell because of crossing over
- gametes
- none; there is no exchange of DNA
- 1
- 2
- only those that reproduce sexually

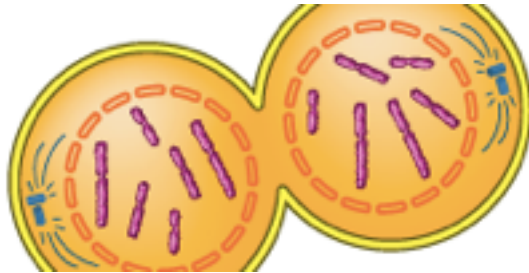
Part 2: Place the name of each phase beside the pictures. Come see Ms. Bost once you are done!



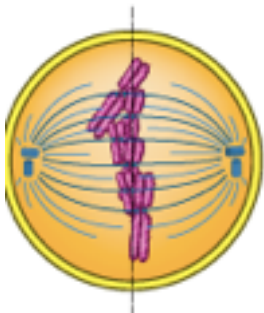
1) \_\_\_\_\_



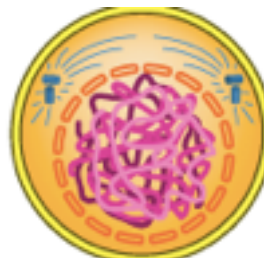
2) \_\_\_\_\_



3) \_\_\_\_\_



4) \_\_\_\_\_



5) \_\_\_\_\_

Part 3-  
Career in Cancer Research:  
Come see Ms. Bost once you are done!

Part 4-  
Mitosis & Meiosis  
Come see Ms. Bost once you are done!

## Confirmed or Busted ?!?

<u>STATEMENTS</u>	<u>INITIAL</u>	<u>AFTER</u>
physical battle in the body between the healthy white blood cells and the cancerous cells.		
Cancer is a form of controlled cell growth		
Cancer cells turn off the internal clock and continue to grow.		
scientist are studying treatments and found skin cells as triggers.		

Create drawings of  
Mitosis and Meiosis  
(add description of each  
drawing)