

	Mitosis	Meiosis
Definition		
Produces what Kind of cells		
How many cells Are produced?		
Chromosome Number (at Start)		
Chromosome Number (at end)		

In the box below, draw a diagram of each phase and list a description!

Phase	Mitosis	Meiosis I	Meiosis II
Prophase			
Metaphase			
Anaphase			
Telophase			

1. What is interphase? What stages of the cell cycle make up interphase?
2. What are diploid cells? How many chromosomes do diploid human cells have?
3. What are haploid cells? How many chromosomes do haploid human cells have?
4. What are sister chromatids? Draw a picture of one.
5. What are the five stages of the cell cycle? Describe briefly what occurs in each stage.
6. Why does meiosis go through PMAT twice?