Name:		
maille.		

## **Cell Division**

Please use the <u>Council Rock Video Podcast</u> to guide you

1.	What are the three reasons that cells typically divide a. b. c.				
2.	Circle one: The longest phase of the cell cycle is INTERPHASE / MITOSIS				
3.	G <sub>1</sub> is about cells				
4.	How does a duplicated strand of DNA end up being identical to the original strand?				
5.	The last stage of Interphase is				
6.	In mitosis, the goal is to get cells that are genetically	That is, we want to go 2N→2N			
	Match the following Mitosis stages to what happensProphase Metaphase Anaphase Telophase  What is the difference between plant and animal telo	a. Chromosomes move to opposite ends of cell b. Nucleus reforms, DNA loosens, last stage c. DNA condenses; nuclear breaks down d. Chromosomes line up in middle of cell phase/cytokinesis?			
	What does meiosis do to the number of chromosome				
10.	Meiosis goes from $2N \rightarrow $ , or from diploid	→			
11.	What is crossing over?				
12.	When does crossing over happen?				
13.	What is the idea of Independent assortment?				
14.	When chromosomes fail to separate properly, it is kn a syndrome and Patau syndrome				