

**Cell Cycle Worksheet**

Name: \_\_\_\_\_

1. Explain the difference between diploid and haploid cells. What example did we use in class to illustrate this? Come up with another everyday example that would describe diploid and haploid cells?
2. List the three main stages of the cell cycle.
3. How many chromosomes are in a human body cell?
4. What is the difference between chromosomes and chromatin?
5. List the four stages of mitosis in order.
6. What chromosomes do females have? Males?
7. What is a karyotype used for?
8. How would you tell a metaphase cell from a prophase cell?
9. What is cancer?
10. Explain the difference between a centromere and a centriole.

5. Chromosomes are replicated.	_____	of the cell.	_____	1
5. The reverse of prophase.	_____	7. The nuclear membrane begins to fade from view.	_____	1
7. The organization phase	_____	8. The division (cleavage) furrow appears.	_____	1