

Comparing Mitosis and Meiosis Worksheet

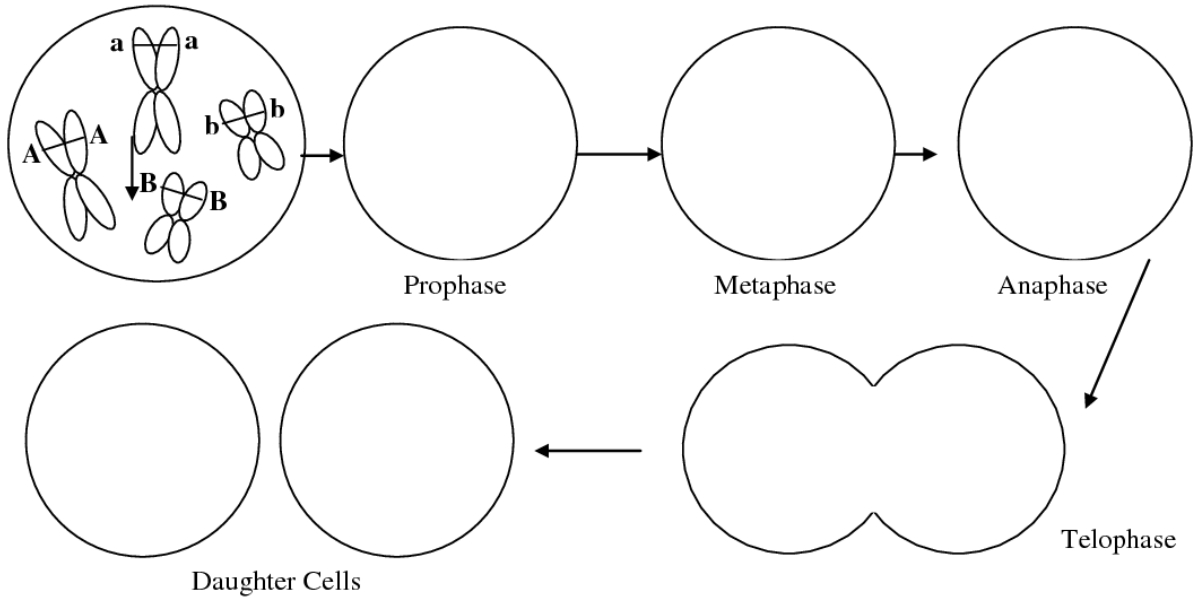
Name: _____

Instructions: compare the two processes by completing the table below. Read each characteristic and write notes discussing any important differences, similarities or events occurring in each process. **MAKE NOTE:** answers such as YES and NO are not acceptable answers.

Characteristic	Mitosis	Meiosis
Importance of process in the life cycle of an organism or cell		
Type of reproduction		
Types of cells that undergo the process (areas of the body)		
Types of cells produced by the process		
Behavior of homologous chromosomes during prophase		
Behavior of homologous chromosomes during metaphase		
Number of nuclear divisions		
Replication of DNA		
Cytokinesis		
Number of daughter cells produced at the end of the process		
Mother cell's genetic makeup compared to daughter cells' genetic makeup		

Mitosis and Meiosis Worksheet
 BioSci 110, Sections 20 and 28

I. Draw the chromosomes in the cell as it undergoes **Mitosis**:



II. Draw the chromosomes in the cell as it undergoes **Meiosis (same parent cell)**:

