

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 | | |