

Name: _____

Date: _____

Mitosis Practice

- 1) During which phase does the cleavage furrow start forming?
telophase
- 2) Chromosomes move to the middle of the cell during what phase? **metaphase**
- 3) What makes up the mitotic apparatus? **centrioles, spindle fibers & aster fibers**
- 4) During which phase do chromosomes first become visible?
prophase
- 5) When do the sister chromatids separate? **anaphase**
- 6) What is another name for mitosis? **karyokinesis**
- 7) What is the structure that breaks the spindle fiber into 2?
kinetochore
- 8) What are sister chromatids? **half of a duplicated chromosome**
- 9) What holds the chromatids together? **centromere**
- 10) Complete the table by checking the correct column for each statement

| Statement | Interphase | Mitosis |
|--|------------|---------|
| Chromosomes are duplicated | x | |
| DNA synthesis occurs | x | |
| Cytoplasm divides immediately after this period | | x |
| Mitochondria and other organelles are made | x | |
| Cell growth occurs | x | |
| Nuclear division occurs | | x |
| Chromosomes are finishing moving into separate daughter cells. | | x |
| Normal functions occur | x | |