

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Mitosis

- |  |                            |
|--|----------------------------|
| 1. 1st phase of mitosis. Chromatin condensed into chromosomes.<br>Centrioles move to opposite sides    | A. one of each chromosome  |
| 2. Chromosomes line up in the middle of the cell then attach to the<br>spindle fibers at the centomere | B. Interphase              |
| 3. A haploid organism has...   | C. Prophase                |
| 4. 2 of each chromosome (2n) - homologous  | D. Homologous              |
| 5. Sister chromosome are separated by spindle fibers   | E. Somatic                 |
| 6. Happens before cell division; Cell grows, copies DNA, and gets ready<br>to divide                   | F. Cytokinesis             |
| 7. End of mitosis is called...   | G. Metaphase               |
| 8. Cell plate builds new wall and membrane   | H. Ploidy                  |
| 9. Not identical but similar   | I. Diploid                 |
| 10. Cleavage furrow forms; Chromosomes start to relax  | J. Telophase (Animal cell) |
| 11. Mitosis are ... cells  | K. Telophase(plant cell)   |
| 12. Pairs of chromosomes in cells  | L. Anaphase                |