

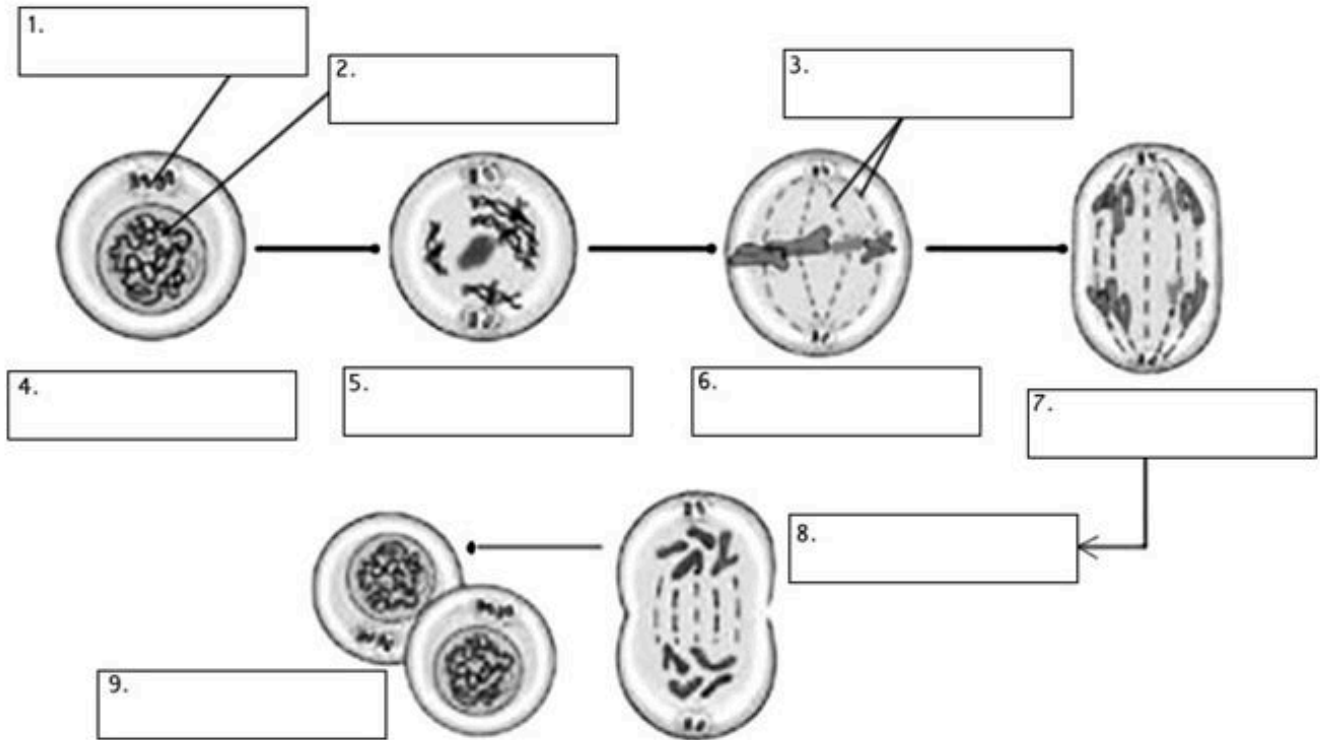
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Worksheet 5-2 Cell Division & Cell Cycle (Nelson p.32-33; p.36-39)

Label the diagram below using the vocabulary given below.

**Anaphase**      **chromatin**      **centrioles**      **cytokinesis**      **interphase**  
**metaphase**    **prophase**      **spindle fibres**    **telophase**



**Fill in the blank:**

1. In humans, each cell (except sex cells) has \_\_\_\_\_ (how many?) chromosomes.
2. After mitosis, \_\_\_\_\_ (how many?) daughter cells are produced.
3. After mitosis (in a human cell), each daughter cell has \_\_\_\_\_ (how many?) chromosomes.
4. There are \_\_\_\_\_ (how many?) phases are in MITOSIS.
5. The longest phase of the cell cycle is \_\_\_\_\_ (which phase?).
6. Cytokinesis begin during \_\_\_\_\_ (which phase?).
7. The nuclear membrane dissappears in \_\_\_\_\_ (which phase?).

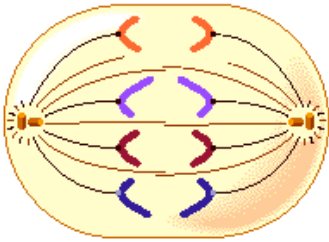
**Matching:** Match the term to the description (write the letter)

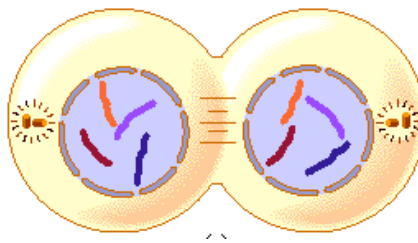
**A. Prophase      B. Interphase      C. Telophase      D. Metaphase      E. Anaphase**

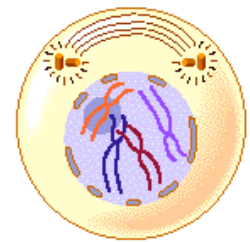
- \_\_\_ 1. Nuclear membrane begins to disappear.
- \_\_\_ 2. A new nuclear membrane is forming around the chromosomes.
- \_\_\_ 3. The cytoplasm of the cell is being divided.
- \_\_\_ 4. Chromosomes become hard to be seen.
- \_\_\_ 5. Chromosomes are located in the middle of the cell.
- \_\_\_ 6. Chromosomes are moving towards opposite sides of the cell.
- \_\_\_ 7. Chromosomes line up along the middle of the cell.
- \_\_\_ 8. Chromosomes are not visible.
- \_\_\_ 9. Cytokinesis is completed.
- \_\_\_ 10. Chromosomes are duplicated.

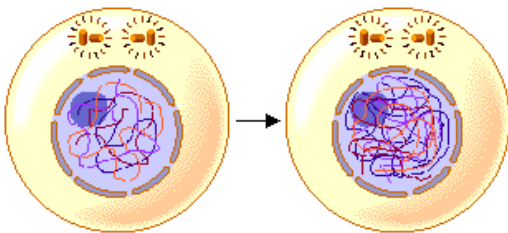
**Matching:** Match the term to the picture.

**Prophase      Interphase      Telophase      Metaphase      Anaphase      Cytokinesis**









DNA replication

