

Name: _____

Part G The Cell Cycle Review

Match the parts of the cell cycle with the things that happen during it. Please clearly write your answer in the left margin. If you would like to change your answer, cross it out and write your final answer next to it.

- | | |
|-------------------|---|
| ___1. Anaphase | a. Chromosomes arrive at opposite sides of cell, cell looks like it has 2 nuclei |
| ___2. Cytokinesis | b. chromosomes begin to move to opposite sides of the cell along the fibers |
| ___3. Interphase | c. Chromosomes pair up and line up in the middle of the cell |
| ___4. Metaphase | d. cytoplasm and other organelles split, new cell membrane forms, new cell wall forms in plants as well |
| ___5. Prophase | e. DNA condenses into chromosomes you can see, nuclear membrane disappears |
| ___6. Telophase | f. growth of cell, DNA doubles, cell is making substances |

1. Name the three main parts of the cell cycle.
 - a.
 - b.
 - c.
2. Why do you think the chromosomes need to be copied during interphase if the cell is going to divide?
3. What is the name give to the small immature cells that are produced by cytokinesis?
10. How is cytokinesis different in plants than in animals?