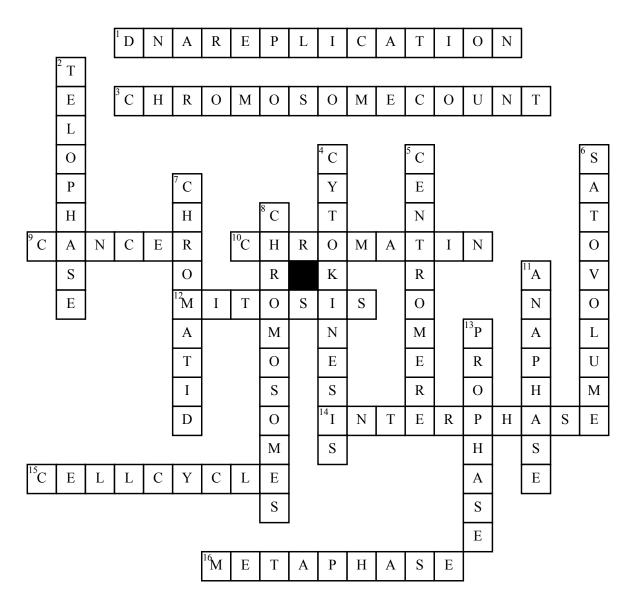
Cell Growth and Division



Across

- 1. Synthesis phase.
- **3.** All organisms cells have a different amount of chromosomes.
- **9.** Cells that are experiencing uncontrolled growth and division.
- **10.** The granular material in the nucleus.
- 12. Division of the cell's nucleus.
- **14.** Lifetime of the cell when the cell grows and prepares to divide
- **15.** Series of events in which a cell grows, prepares for division, and divides to form two daughter cells

16. The second phase of mitosis, and it only takes a couple minutes. It is when the chromosomes line up across the middle of the cell.

Down

- **2.** The last phase of mitosis. It is when the chromosomes start to become a chromatin and the nucleolus becomes visible.
- **4.** Division of the cell's cytoplasm.
- **5.** The area where the chromatids are attached to each other.
- **6.** Surface area will increase slower that volme

- 7. A part of two identical sister parts of duplicated chromosomes.
- **8.** Contains DNA that is passes from an old generation of cells to another.
- **11.** The third phase of mitosis. It is when the sister chromatids separate and move to opposite poles.
- 13. The first phase of mitosis and it's the longest lasting phase. It is when the chromosomes become visible and they attach to the spindle and coil up.