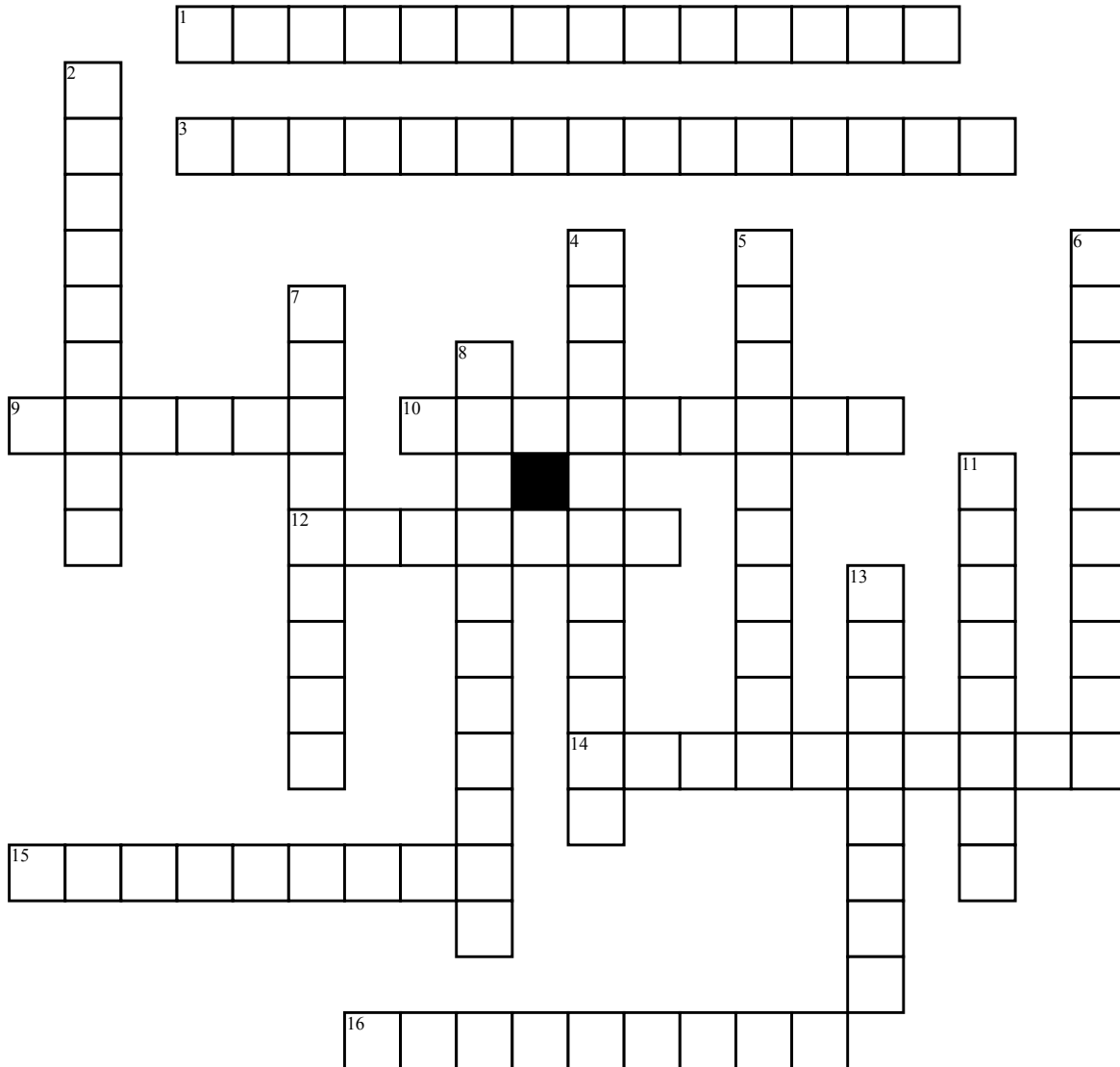


Cell Growth and Division



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 than volume

7. A part of two identical sister parts of duplicated chromosomes.

8. Contains DNA that is passed 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.