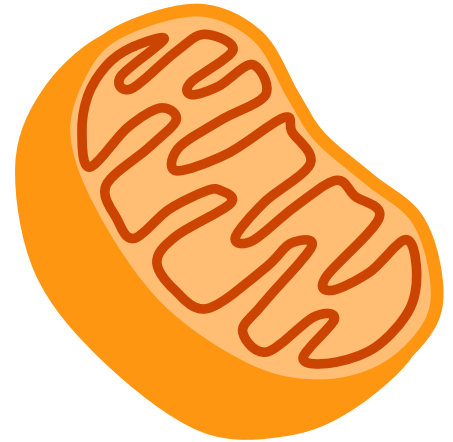
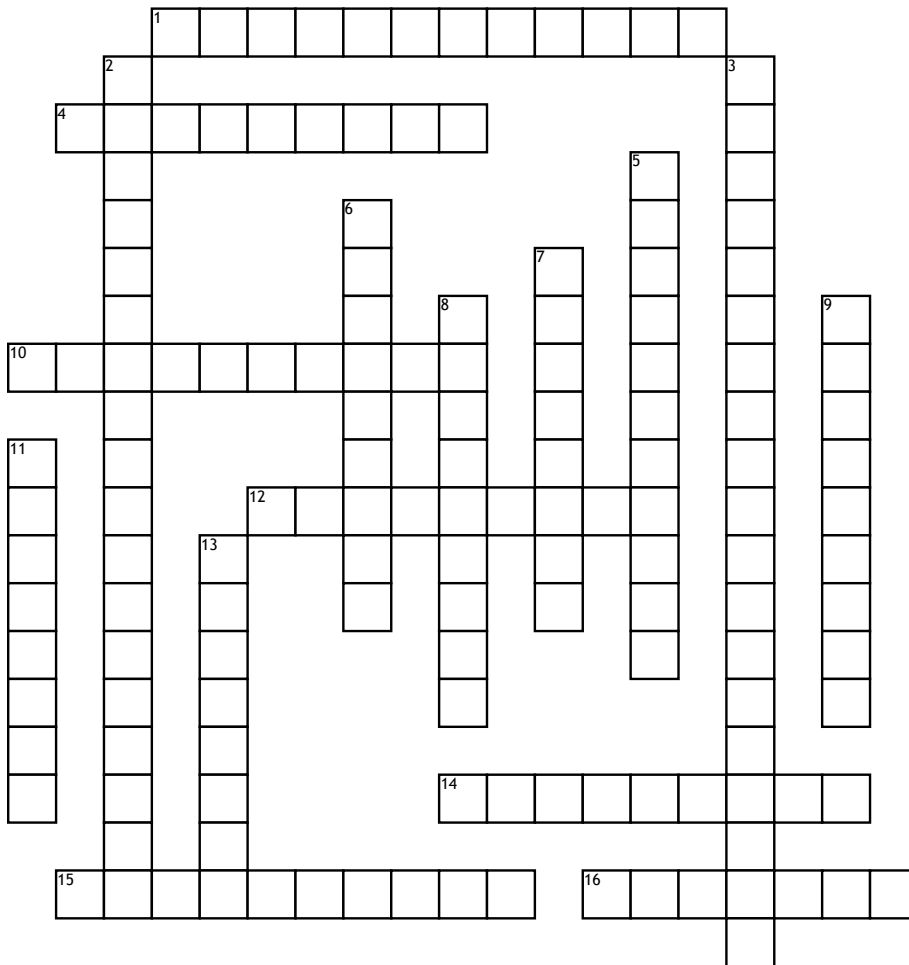


Name: \_\_\_\_\_

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

# Mitosis



## Across

1. the process of a cell dividing into two new daughter cells

4. structure in an animal cell that helps to organize cell division

10. threadlike structure of DNA and protein that contains genetic information

12. phase of mitosis in which the chromosomes line up across the center of the cell

14. substance found in eukaryotic chromosomes that consists of DNA tightly coiled around histones

15. period of the cell cycle between cell divisions

16. part of eukaryotic cell division during which the cell nucleus divides

## Down

2. type of reproduction in which cells from two parents unite to form the first cell of a new organism

3. process of reproduction involving a single parent that results in offspring that are genetically identical to the parent

5. division of the cytoplasm to form two separate daughter cells

6. one of two identical "sister" parts of a duplicated chromosome

7. phase of mitosis in which the chromosomes separate and move to opposite ends of the cell

8. phase of mitosis in which the distinct individual chromosomes begin to spread out into a tangle of chromatin

9. series of events in which a cell grows, prepares for division, and divides to form two daughter cells

11. first and longest phase of mitosis in which the genetic material inside the nucleus condenses and the chromosomes become visible

13. phase of mitosis in which the chromosomes separate and move to opposite ends of the cell