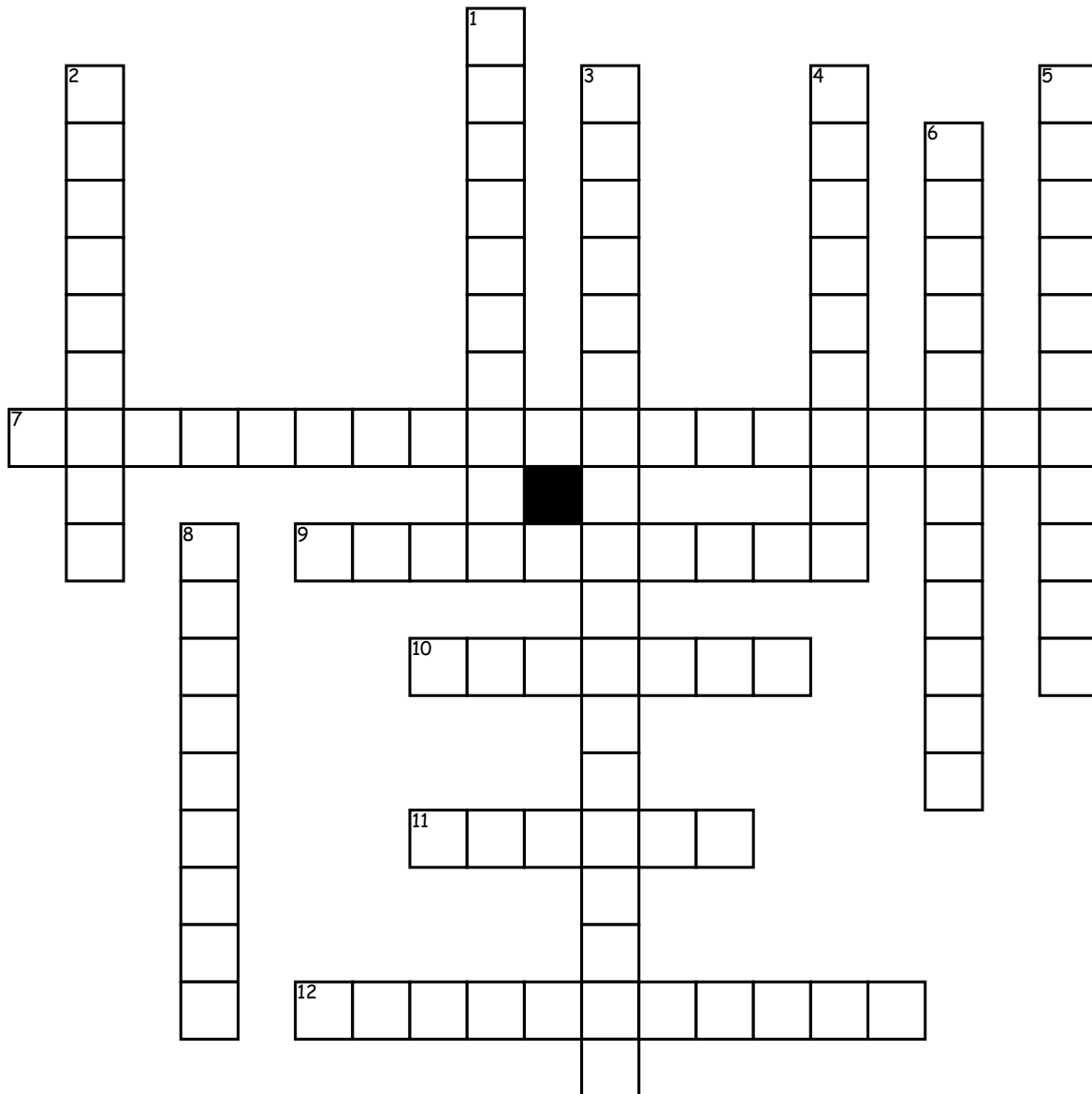


# Cell Cycle and Mitosis Vocabulary



**Across**

7. a type of reproduction by which offspring arise from a single organism, and inherit the genes of that parent only

9. the resting phase between successive mitotic divisions of a cell, or between the first and second divisions of meiosis.

10. a type of cell division that results in two daughter cells each having the same number and kind of chromosomes as the parent nucleus, typical of ordinary tissue growth. Compare with meiosis.

11. is a condition where cells in a specific part of the body grow and reproduce uncontrollably

12. a threadlike structure of nucleic acids and protein found in the nucleus of most living cells

**Down**

1. the region of a chromosome to which the microtubules of the spindle attach

2. the death of cells which occurs as a normal and controlled part of an organism's growth or development

3. the production of new living organisms by combining genetic information from two individuals of different types (sexes).

4. The cell cycle or cell-division cycle is the series of events that take place in a cell leading to its division and duplication of its DNA (DNA replication) to produce two daughter cells.

5. the cytoplasmic division of a cell at the end of mitosis or meiosis, bringing about the separation into two daughter cells

6. the process by which a parent cell divides into two or more daughter cells

8. each of the two threadlike strands into which a chromosome divides longitudinally during cell division. Each contains a double helix of DNA.