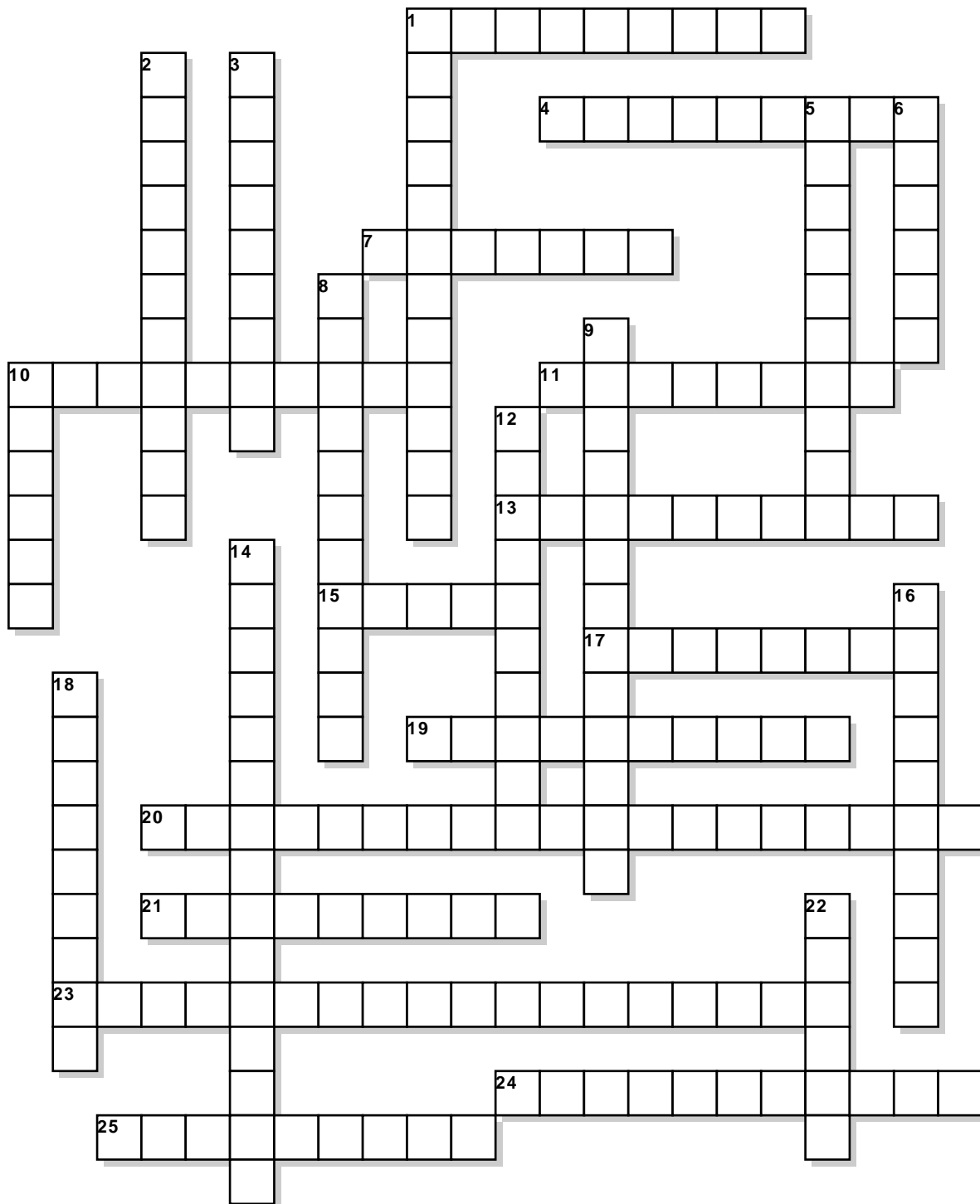


# Biology Crossword Puzzle 10



**Across**

- 1 Complex of chromosome and protein.
- 4 Series of events where cells grow and divide.
- 7 Division of cell nucleus.
- 10 Structure in animal cell that helps organize cell division.
- 11 1st stage of mitosis, genetic material condenses and duplicated DNA becomes visible.
- 13 Develop into any type of cell in the body.
- 15 Mass of cancer cells.
- 17 3rd phase of mitosis, chromosomes separate and move along spindle fibers to opposite sides of cell.
- 19 Hollow ball of cells with a cluster of cells inside (known as inner cell mass).
- 20 Production of genetically identical offspring from a single parent, are identical copies.
- 21 2nd phase of mitosis, centromeres of duplicated chromosomes line up across center of cell.
- 23 Production by the fusion of two separate parent cells, inherit some genetic information.
- 24 Division of cytoplasm.
- 25 DNA strand in duplicated chromosome.

**Down**

- 1 The process by which a cell divides into two new daughter cells.
- 2 Develop into any of the body's cell types (usually not tissues around embryo).
- 3 Process of programmed cell death.
- 5 Threadlike structure of DNA and protein that contains genetic information.
- 6 Development stage from which an adult organism is produced.
- 8 Types of cells they can form are limited to replacing cells in tissue where they were found.
- 9 External regulatory proteins that stimulate growth and division of cells.
- 10 Protein that regulates cell cycle.
- 12 "in-between" period of growth
- 14 Process by which cells become specialized.
- 16 Duplicated DNA attaches at this area.
- 18 Final phase of mitosis, chromosomes begin to spread out into tangle of chromatin.
- 22 Disorder where body cells lose ability to control growth.

**Possible Answers:**

anaphase, apoptosis, asexual reproduction, blastocyst, cancer, cell cycle, cell division, centrioles, centromere, chromatid, chromatin, chromosome, cyclin, cytokinesis, differentiation, embryo, growth factors, interphase, metaphase, mitosis, multipotent, pluripotent, prophase, sexual reproduction, telophase, totipotent, tumor