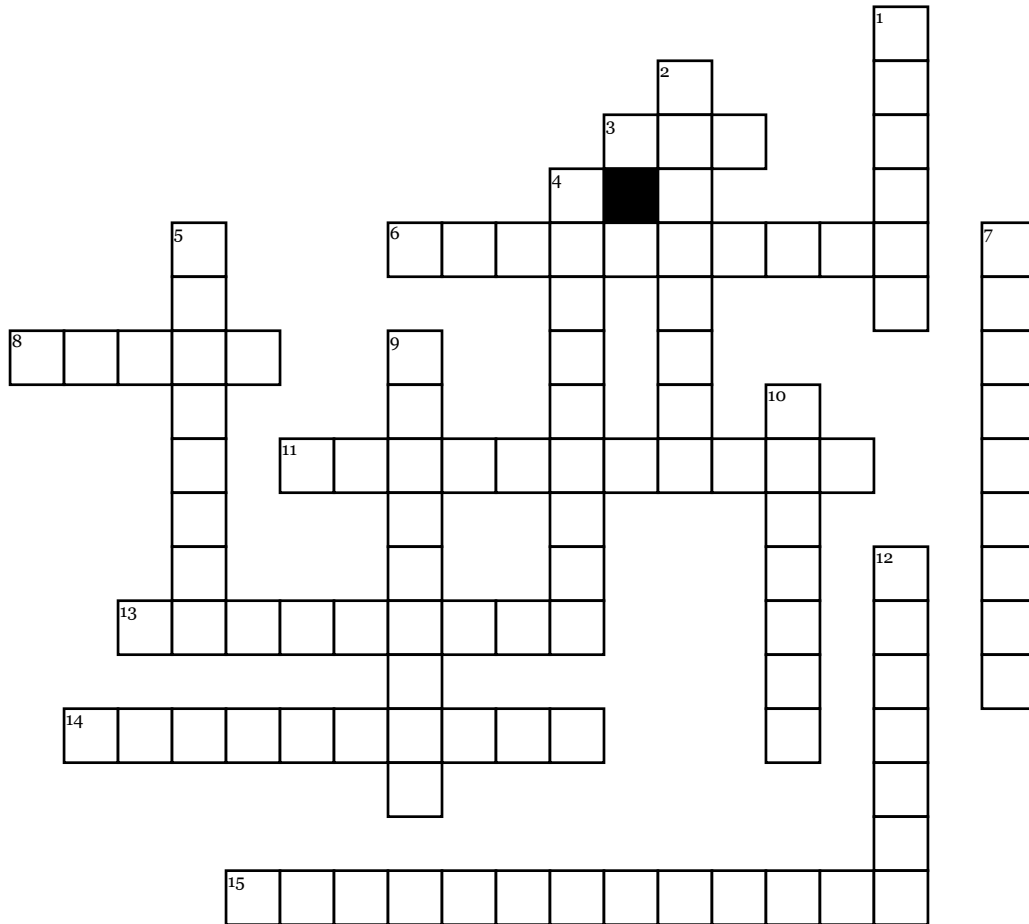


Name: _____

Date: _____

Cell Cycle



Across

- 3.** a self-replicating material present in nearly all living organisms as the main constituent of chromosomes. It is the carrier of genetic information
- 6.** phase of the cell cycle during which the cell grows, replicates its DNA, and undergoes final preparation for cell division
- 8.** a swelling of a part of the body, generally without inflammation, caused by an abnormal growth of tissue, whether benign or malignant
- 11.** the cytoplasmic division of a cell at the end of mitosis or meiosis, bringing about the separation into two daughter cells
- 13.** phase of the cell cycle during which chromosomes begin to unwind into chromatin: nuclear envelope reforms

- 14.** a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes.
 - 15.** form a protein structure that divides the genetic material in a cell
- Down**
- 1.** An uncontrolled cell division
 - 2.** phase of the cell cycle during which the sister chromatids separate and move to opposite poles
 - 4.** a minute cylindrical organelle near the nucleus in animal cells, occurring in pairs and involved in the development of spindle fibers in cell division

- 5.** phase of the cell cycle during which chromatin condenses into chromosomes: spindle fibers form; nuclear envelope breaks down
- 7.** The gel like substance inside a cell
- 9.** phase of the cell cycle during which chromosomes line up in the middle of the cell
- 10.** division of the nucleus; consists of four stages(prophase, metaphase, anaphase, telophase)
- 12.** a dense organelle present in most eukaryotic cells, typically a single rounded structure bounded by a double membrane, containing the genetic material

Word Bank

- | | | | | |
|-----------|----------------|------------|-------------|-----------|
| mitosis | spindle fibers | interphase | Prophase | telophase |
| Cancer | anaphase | Nucleus | cytokinesis | Tumor |
| centriole | DNA | Chromosome | Cytoplasm | Metaphase |