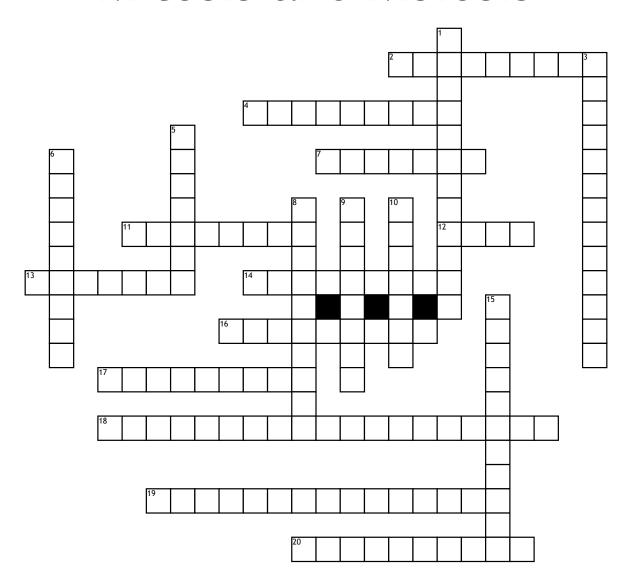
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Mitosis and Meiosis



Across

- **2.** The only cells that undergo meiosis.
- **4.** The mitotic process that results in the formation of egg cells.
- **7.** How sperm and egg cells are created.
- **11.** The first stage of mitosis when the nuclear membrane is absorbed into the cell.
- 12. One egg cell.
- 13. Having two of each chromosome.
- **14.** The stage of mitosis where duplicated chromosomes line up along the center of the mitotic spindle.

- **16.** One of the two strands that make up chromosomes seen in prophase and metaphase that have duplicated their DNA during interphase.
- **17.** The last stage of mitosis when the chromosomes separate and the nuclear membrane reforms.
- **18.** Reproduction involving only one parent
- **19.** The mitotic process that results int he formation of sperm cells.
- **20.** The phase most cells spend 95% of their time in.

Down

1. An exchange of chromosomal material between homologous pairs that occurs during prophase 1 of meiosis.

- **3.** Microtubules visible during cell division that are involved in separating chromosomes.
- **5.** The actual number of different types of chromosomes a cell possesses.
- **6.** In animal cells, a cytoplasmic organelle that organizes the mitotic spindle fibers during cell reproduction.
- **8.** The part of a chromosome where the chromatids join together.
- **9.** The mitotic stage that follows metaphase; duplicated chromosomes separate at the centromere and migrate toward the mitotic centers.
- 10. Body cells.
- **15.** Cytoplasmic division that follows the division of the nucleus.