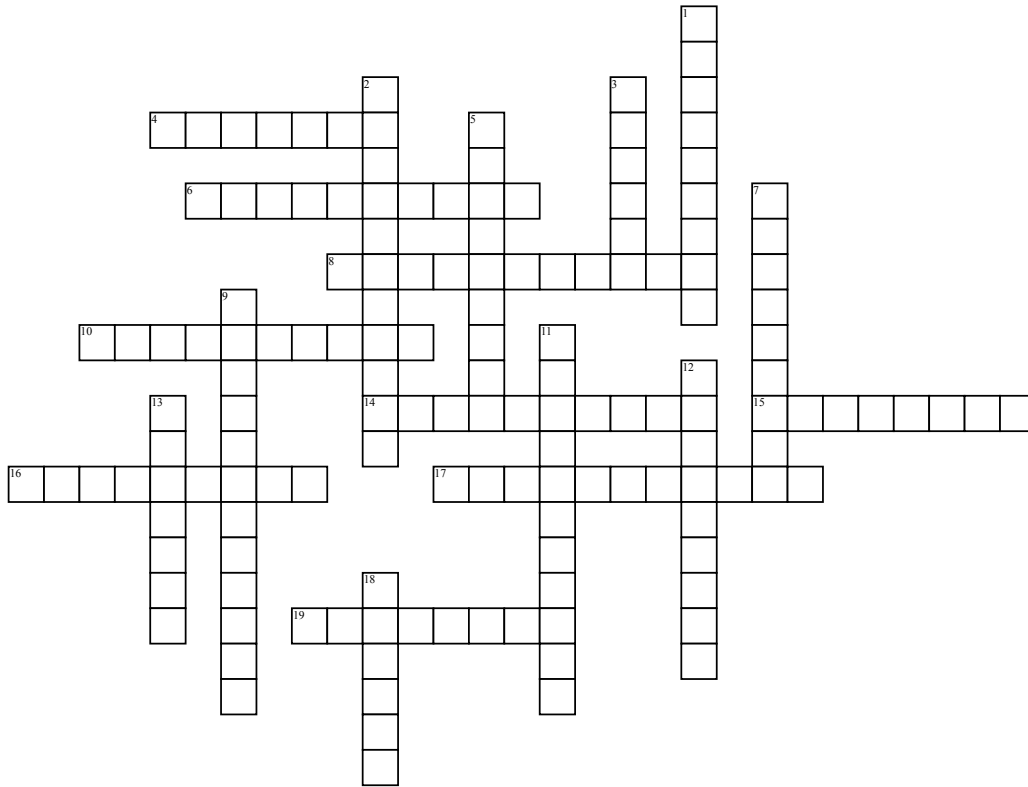


Mitosis



Across

4. Most important class to take
 6. Center where two chromatids pinch together
 8. Cell containing two sets of chromosomes, one set inherited from each parent
 10. In _____, cell division is related to the needs of the entire organisms
 14. Period in the cell cycle when the cell is not dividing
 15. Chromatids of each chromosome have separated and the daughter chromosomes are moving to the poles of the cell

16. The complex of DNA and proteins that makes up eukaryotic chromosomes
 17. Cellular structure carrying genetic material, found in the nucleus of eukaryotic cells
 19. First stage of mitosis
Down
 1. Ordered sequence of events in the life of a cell from cell birth to cell death
 2. Division of cytoplasm to form two separate daughter cells immediately after mitosis, meiosis I, or meiosis II
 3. DNA is replicated in _____

5. The _____ of an organism reflects the number and sizes of its condensed chromosomes
 7. Spindle is completed and chromosomes are all aligned
 9. During _____, the nuclear envelope breaks down
 11. Cell containing only one set of chromosomes
 12. Final stage of mitosis, daughter nuclei are forming and cytokinesis has begun
 13. A haploid reproductive cell, such as an egg or sperm
 18. Sister chromatids are two _____ of a duplicated chromosome attached to each other at the centromere

Word Bank

Anaphase	Chromatin	Telophase	Metaphase	Diploid Cell
Cytokinesis	Prometaphase	Prophase	Centromere	Biology
Interphase	Copies	Haploid Cell	Karyotype	Chromosomes
Gametes	Cell Cycle	S Phase	Eukaryotes	