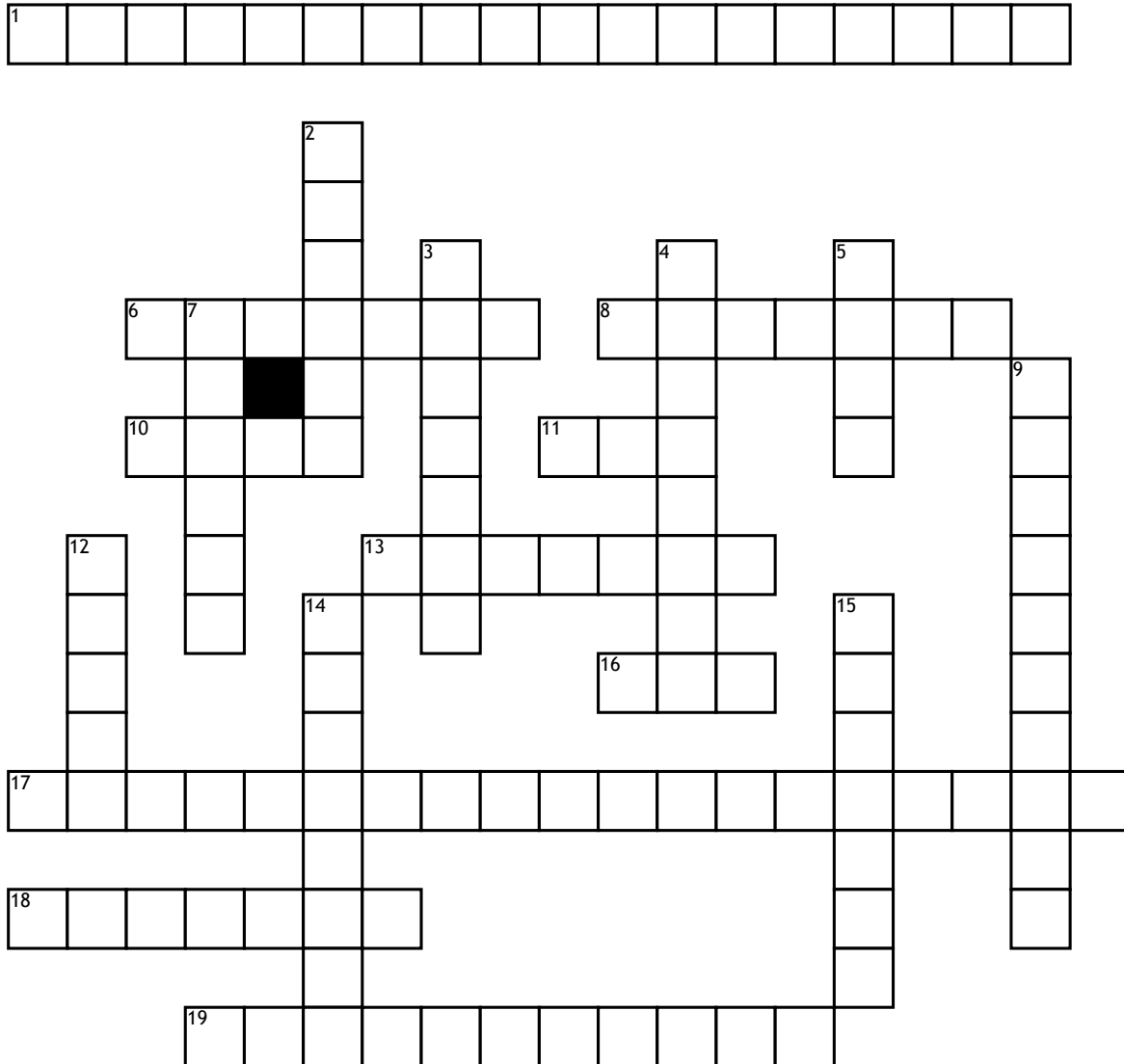


Cell Division Vocabulary



Across

- 1. a type of reproduction in which two sex cells, usually an egg and a sperm, join to form a zygote, which can develop into a new organism with a unique identity
- 6. reproductive process that produces four haploid sex cells from one diploid cell and ensures offspring will have the same number of chromosomes as the parent organisms
- 8. organelle that controls all the activities of a cell and contains hereditary material made of DNA
- 10. section of DNA on a chromosome that contains instructions for making specific proteins
- 11. ribonucleic acid, a type of nucleic acid that carries codes for making proteins from the nucleus to the ribosomes
- 13. cell whose similar chromosomes occur in pairs

- 16. deoxyribonucleic acid; the genetic material of all organisms; made up of two twisted strands of sugar-phosphate molecules and nitrogen bases
- 17. type of reproduction - fission, budding, and regeneration - in which a new organism produced from one organism and has DNA identical to the parent organism.
- 18. cell that has half the number of chromosomes as body cells
- 19. ability of an organism to keep proper internal conditions no matter what external stimuli are occurring

Down

- 2. a new diploid cell formed when a sperm fertilizes an egg; will divide by mitosis and develop into a new organism
- 3. cell process in which the nucleus divides to form two nuclei identical to each other, and identical to the original nucleus, in a series of steps (prophase, metaphase, anaphase, and telophase)
- 4. any permanent change in a gene or chromosome of a cell; may be beneficial, harmful, or have little effect on an organism.
- 5. smallest unit of an organism that can carry on life functions
- 7. the ability to cause change
- 9. structure in a cell's nucleus that contains hereditary material
- 12. first word of the two-word scientific name used to identify a group of similar species
- 14. any living organism
- 15. group of organisms that share similar characteristics and can reproduce among themselves producing fertile offspring