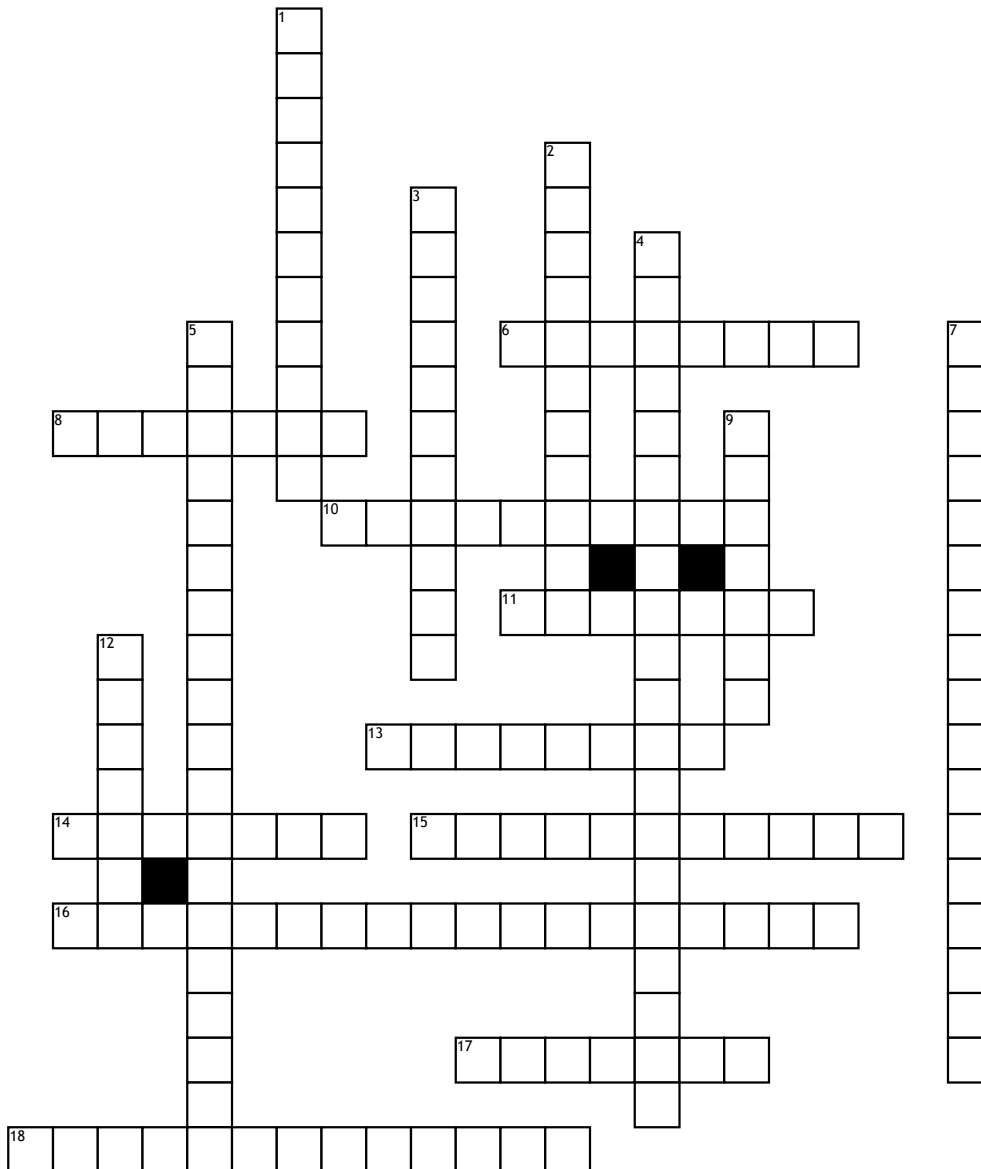


DNA



Across

6. a nucleotide of DNA or RNA; complementary to guanine
 8. reproductive or sex cells such as sperm or ova
 10. a subunit of a DNA molecule
 11. the process that results in the formation of gametes with half the genetic material of the parent cell
 13. study of inheritance
 14. the process or replication that results in genetically identical daughter cells
 15. DNA molecules have the appearance of a spiral ladder or double helix, a sugar-phosphate backbone or frame, and rungs or steps that are made up of nitrogenous bases joined together by hydrogen bonds.

16. involves the joining together of male and female reproductive cells (gametes)
 17. a nucleotide of DNA; complementary to adenine
 18. a characteristic that needs only one copy of an allele to appear in the physical appearance of an organism
- ## Down
1. tiny thread-like structures inside the nucleus of a cell that contain the DNA that carries genetic information.
 2. the sugar in the nucleotides that make up DNA
 3. the sequence of nucleotides found in DNA that is inherited from parents
 4. a molecule that contains all the instructions for every job performed by the cell; this information can be passed from one generation to the next

5. reproduction that does not involve fusion of sex cells (gametes)
 7. a nucleotide base that pairs with its partner nucleotide on the alternative DNA strand. Adenine pairs with thymine, cytosine pairs with guanine
 9. a nucleotide of DNA; complementary to thymine
 12. a nucleotide of DNA or RNA; complementary to cytosine