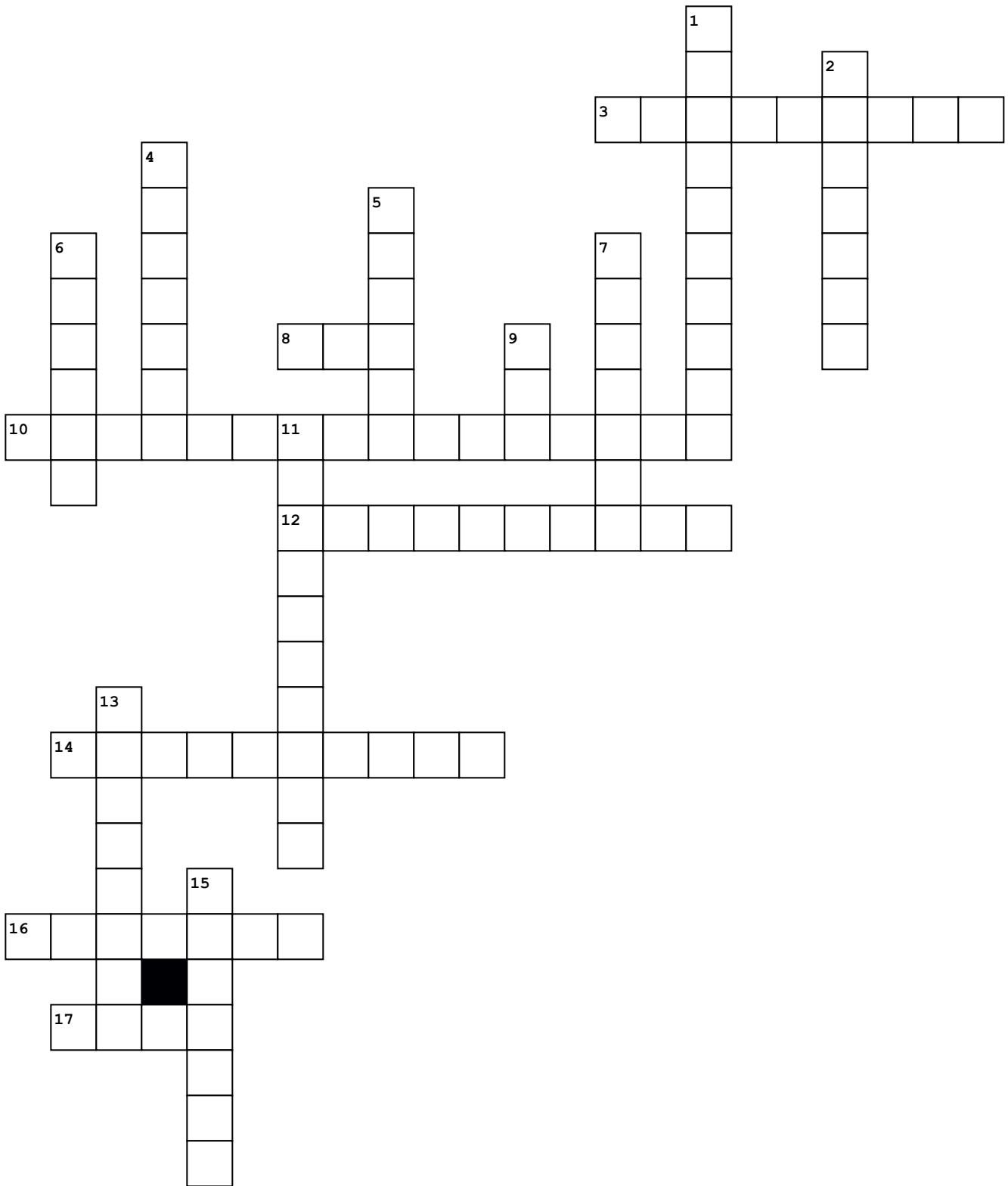


# DNA Puzzle



## Across

**3.** / the material of which the chromosomes of organisms other than bacteria are composed

## Down

**1.** / a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying

8. Primer / Add a short segment of RNA
  10. Replication / Method of DNA replication in which parental strands separate, act as templates and produce molecules of DNA w/ one parental DNA strand and one new DNA strand
  12. / a substance capable of causing cancer in living tissue
  14. / an organelle near the nucleus of a cell that contains the centrioles
  16. Strand / Is built continuously by the addition of nucleotides to the 3' end
  17. Cycle / a threadlike structure of nucleic acids and protein found in the nucleus of most living cells, carrying genetic information in the form of genes
2. / having a single set of unpaired chromosomes
  4. Fragment / short sequences of DNA nucleotides which are synthesized discontinuously and later linked together by the enzyme DNA ligase to create the lagging strand during DNA replication.
  5. / an enzyme that brings about ligation of DNA or another substance
  6. Chromatid / the identical copies formed by the DNA replication of a chromosome
  7. Strand / Elongates away from the replication fork
  9. Polymerase / Enzymes that catalyzes synthesis of new DNA molecules
  11. / a structural unit of a eukaryotic chromosome
  13. / Are a class of enzymes vital to all living organisms
  15. / containing two complete sets of chromosome, one from each parent