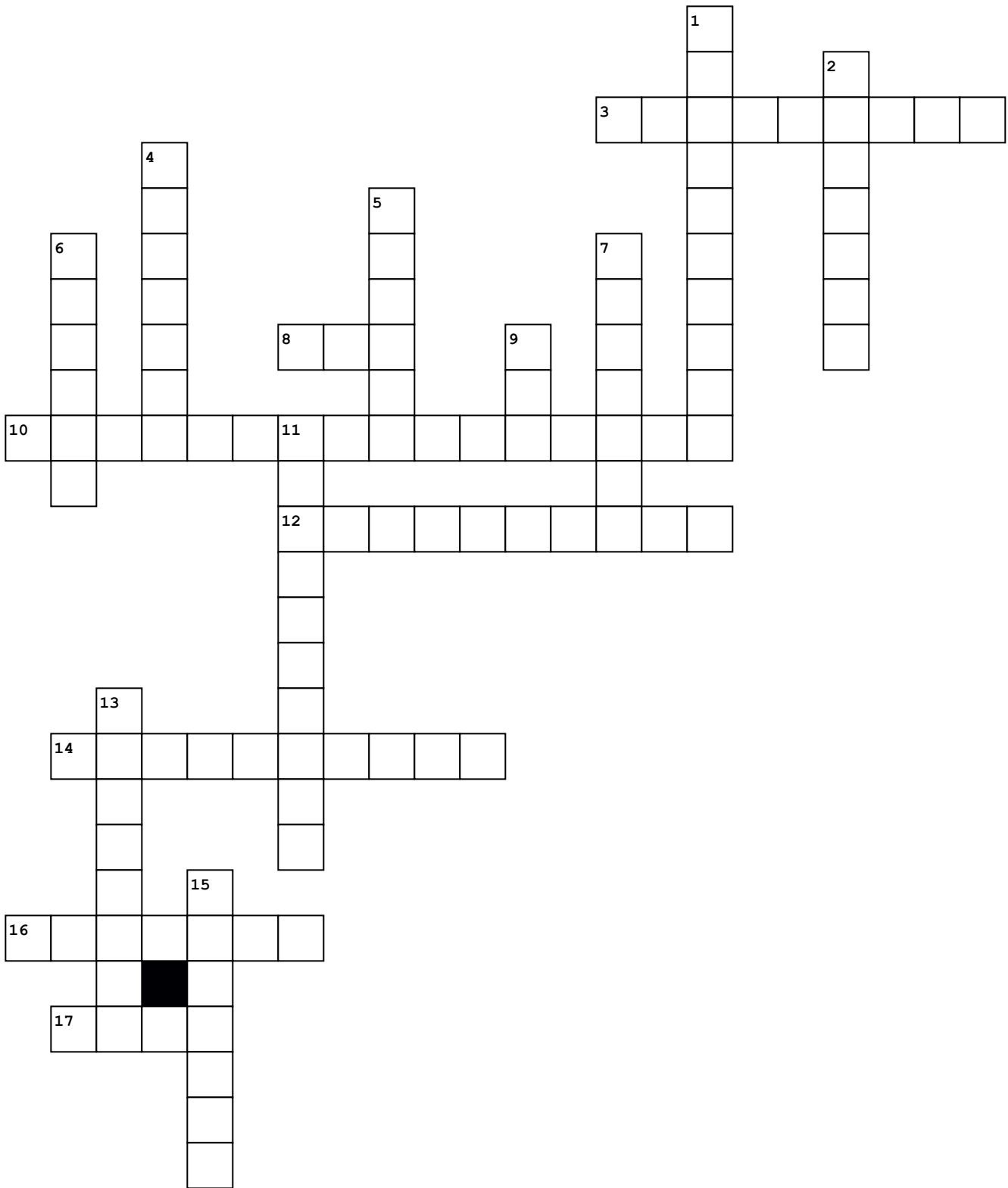


DNA Puzzle



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