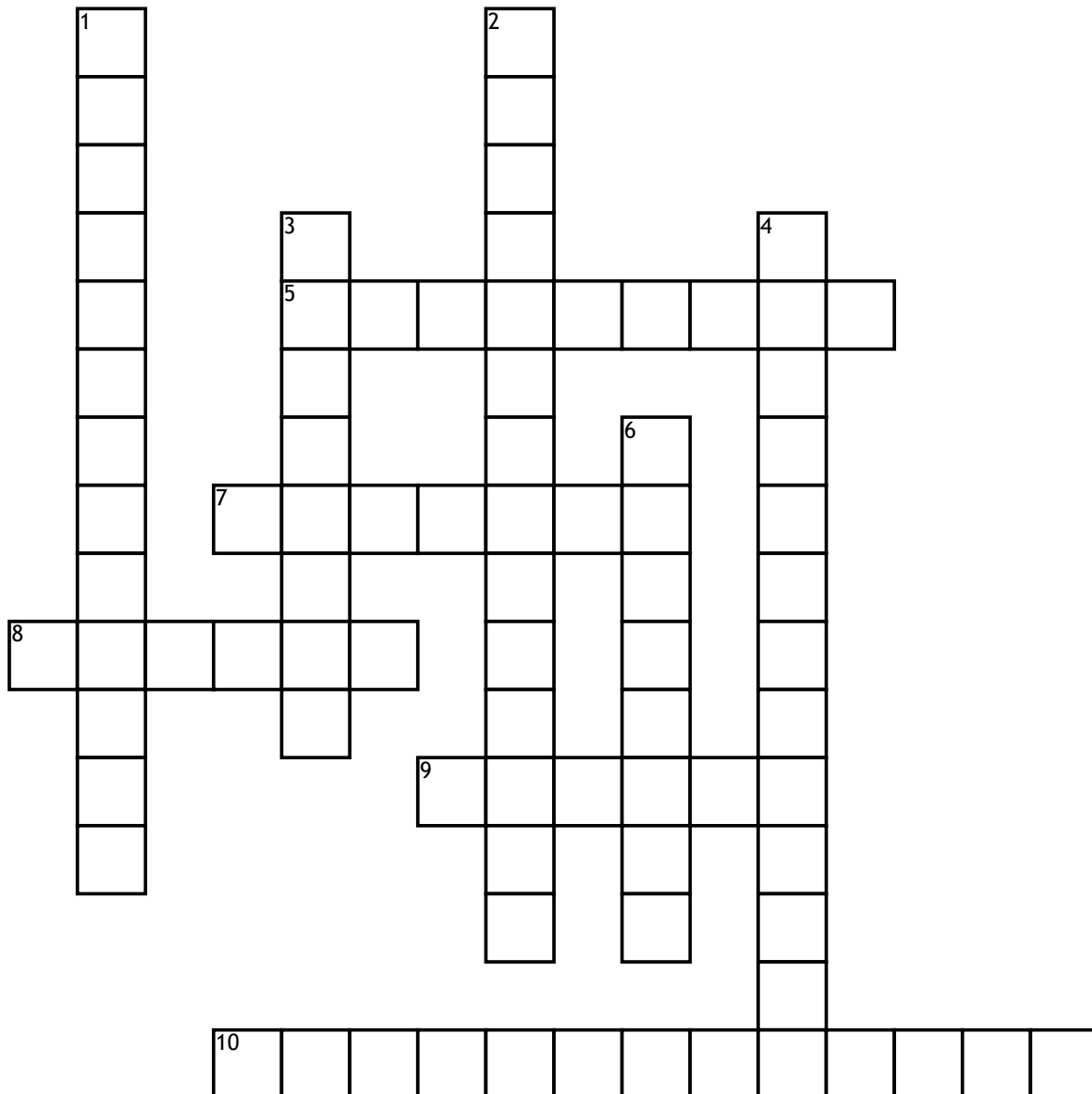


DNA Replication



Across

5. The three steps in a PCR are denaturation, _____, and extension.
7. In DNA, adenosine hydrogen bonds with _____.
8. A new DNA strand begins with a _____, that provides a free 3' hydroxyl group for DNA polymerase.
9. This enzyme adheres Okazaki fragments.
10. Heat resistant DNA polymerase used in PCR.

Down

1. An enzyme that cuts the DNA to release tension in the DNA strand and the reseals the cut.
2. The mechanism by which a DNA molecule is copied
3. Each newly synthesized DNA molecule contains a template strand and a _____ strand.
4. _____ adds nucleotides to the 3' end of DNA during DNA replication.
6. _____ separates the DNA strands by breaking hydrogen bonds between the complimentary base pairs.