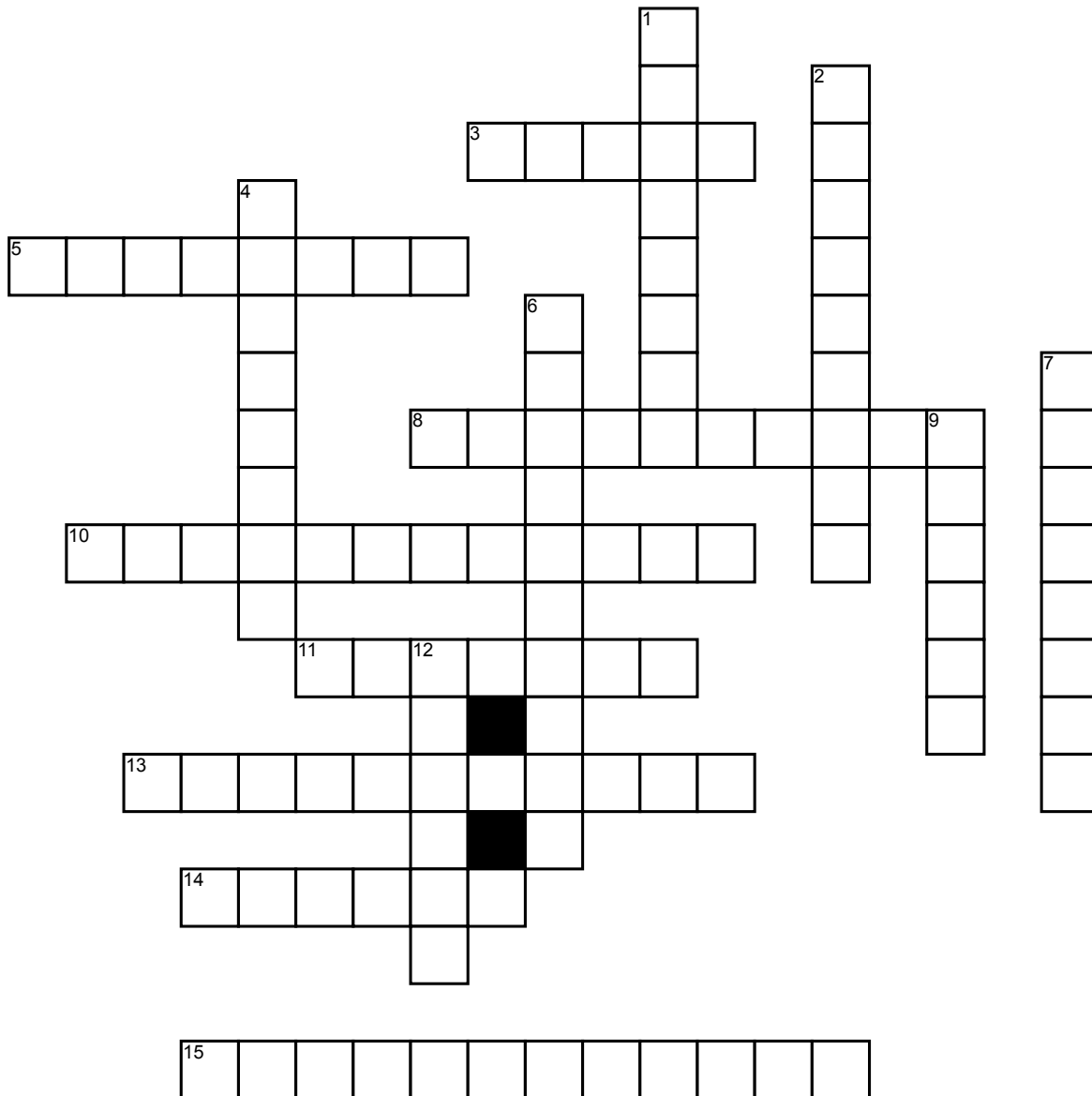


Mutations Review



Across

- 3.** A change of a single nucleotide.
5. Replaces one amino acid with another.
8. Changes not in multiples of 3 lead to disruptions of the reading frame.
10. Purine replaces pyrimidine or pyrimidine replaces purine.
11. Originate in mitosis and affect only cells that descent from changed cell.

- 13.** Produces a phenotype under particular conditions.
14. Do not alter the encoded amino acid.
15. Genetic change that is present in $> 1\%$ of a population.

Down

- 1.** Changes a codon for an amino acid into a stop codon.
2. Insertion of triplet repeats leads to extra amino acids.
4. Originate in meiosis and affect all cells of an individual.

- 6.** Purine replaces purine or pyrimidine replaces pyrimidine.
7. Change in a DNA sequence that is present in $< 1\%$ of a population.
9. Is an insertion of identical sequences side by side.
12. Change in phenotype.