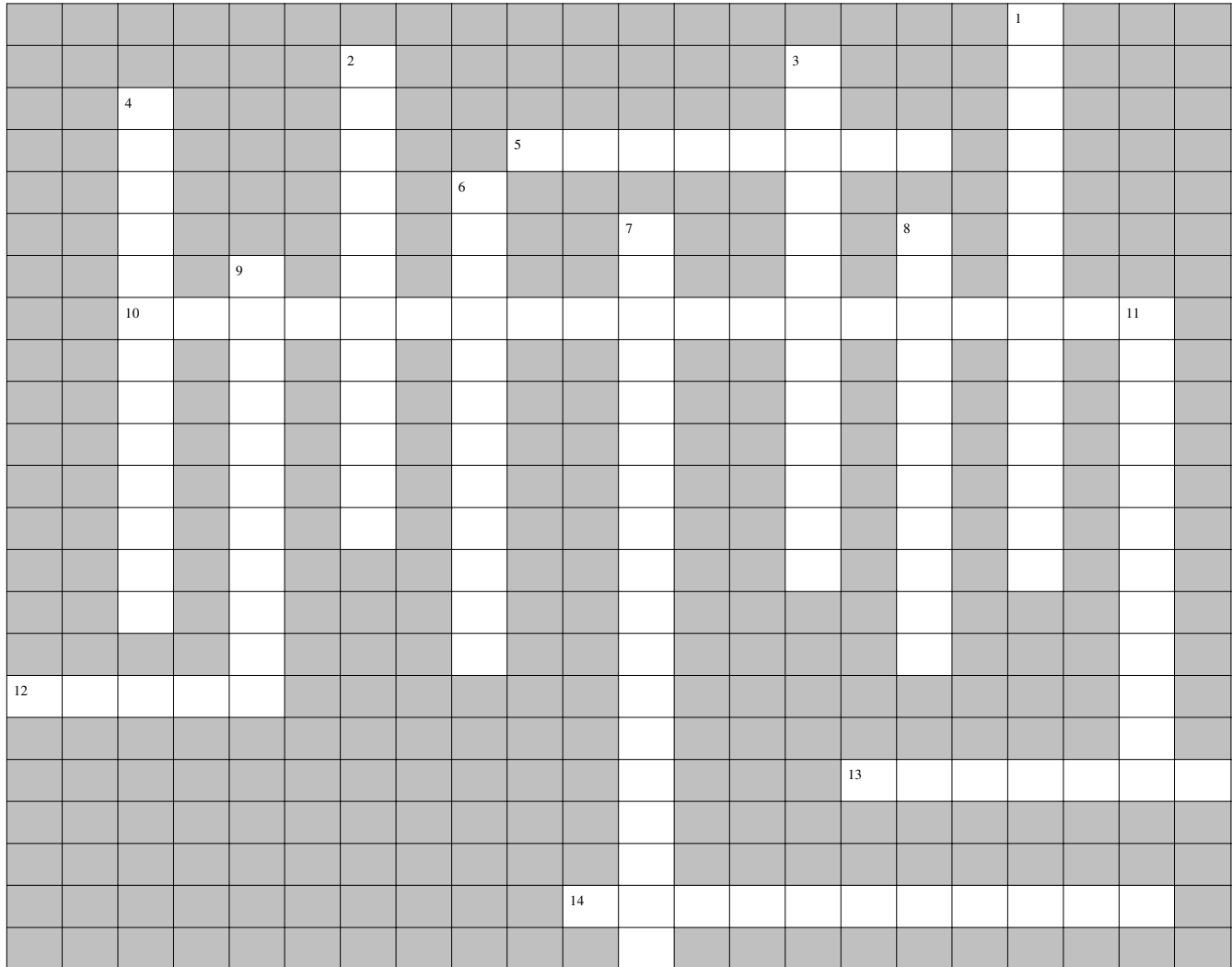


BIOLOGY: DNA and Genes



ACROSS

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| <p>5 Any change or random error in a DNA sequence.</p> <p>10 Mutation that occurs at the chromosome level resulting in changes in the gene distribution to gametes during meiosis; caused when parts of chromosomes break off or rejoin incorrectly</p> <p>12 Set of three nitrogen bases that represents an amino acid; order of nitrogen bases in mRNA determines the type and order of amino acids in a protein.</p> <p>13 Any agent that can cause</p> | <p>a change in DNA; includes high-energy radiation, chemicals, or high temperatures.</p> <p>14 Shape of a DNA molecule formed when two twisted DNA strands are coiled into a springlike structure and held together by hydrogen bonds between the bases.</p> | <p>ribosomes; clamps onto mRNA and uses its information to assemble amino acids in the correct order.</p> <p>3 Mutation in a DNA sequence; occurs from a change in a single base pair.</p> <p>4 Process in the cell nucleus where enzymes make an RNA copy of a DNA strand.</p> <p>5 RNA that transports information from DNA in the nucleus to the cell's cytoplasm.</p> <p>7 Mutation that occurs when a single base is</p> | <p>added or deleted from DNA; causes a shift in the reading of codons by one base.</p> <p>8 RNA that transports amino acids to the ribosomes to be assembled into proteins.</p> <p>9 Process of converting information in mRNA into a sequence of amino acids in a protein.</p> <p>11 Carbon ring structure found in DNA or RNA that contains one or more atoms of nitrogen; includes adenine, guanine, cytosine, thymine, and uracil.</p> |
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DOWN

- 1 Process in which chromosomal DNA is copied before mitosis or meiosis.
- 2 RNA that makes up the