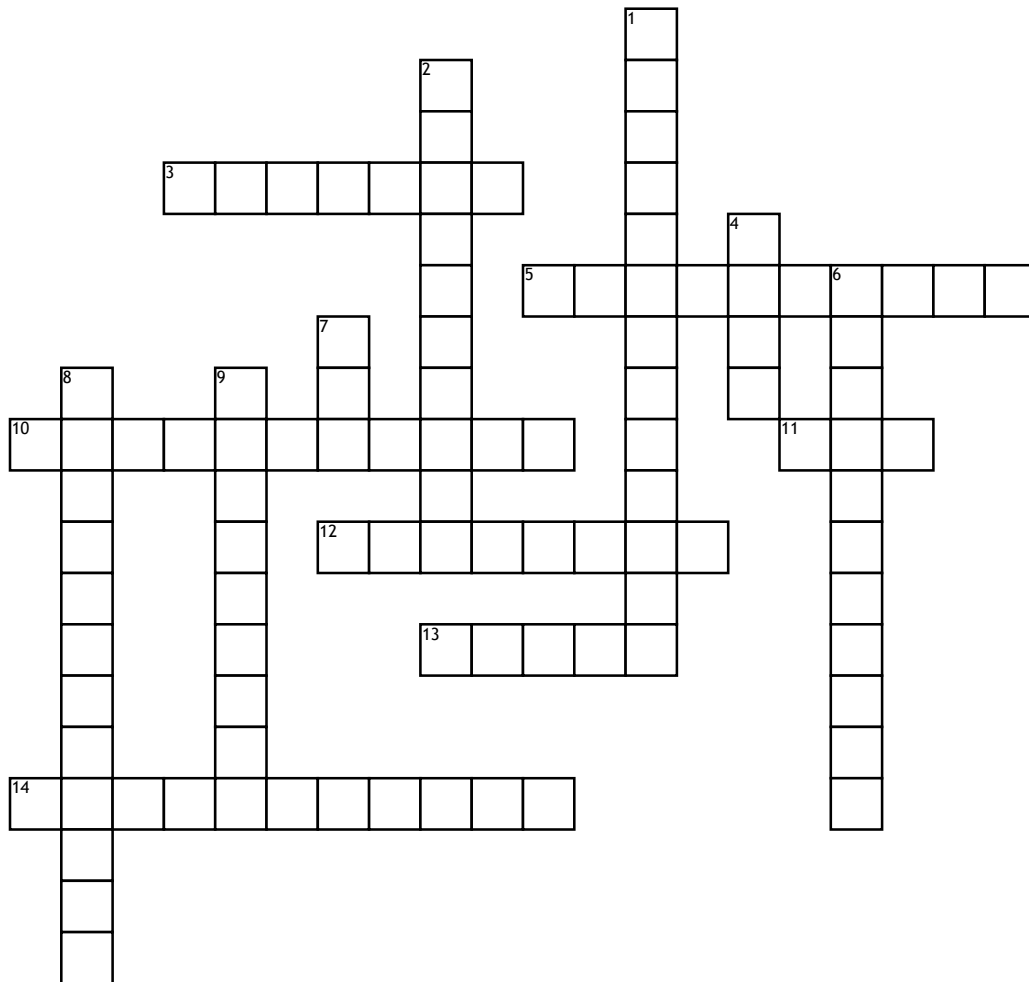


Name: _____

Date: _____

Biology Vocab



Across

3. A molecule composed of polymers of amino acids joined together by peptide bonds

5. The basic building block of nucleic acid polymers

10. The process of duplicating or producing an exact copy of a polynucleotide strand such as DNA

11. A double-stranded nucleic acid that contains the genetic information for cell growth, division, and function

12. two strands of dna are held together in the shape of a double helix by the bonds between base pairs

13. A set of three adjacent nucleotides, also called triplet, in mRNA that base-pair with the corresponding anticodon

14. A type of RNA involved in protein synthesis, mainly transporting specific amino acid to the ribosome to be added onto the nascent polypeptide chain

Down

1. The process of transcribing or making a copy of genetic information stored in a DNA strand into a complementary strand of RNA

2. A molecule consisting of the basic amino group

4. The fundamental, physical, and functional unit of heredity

6. A step in protein biosynthesis where a genetic code from a strand of mRNA is decoded to produce a particular sequence of amino acids

7. A nucleic acid that is generally single-stranded, and composed of repeating nucleotide units of ribose sugar, phosphate group, and nitrogenous base

8. A type of RNA that carries the code or chemical blueprint for a specific protein

9. Small round particles in a cell made up of RNA and protein that are primarily involved in the assembly of proteins by translating messenger RNA

Word Bank

amino acids

Transfer RNA

ribosomes

Messenger RNA

translation

rna

codon

dna

Transcription

nucleotide

gene

replication

base pair

protein