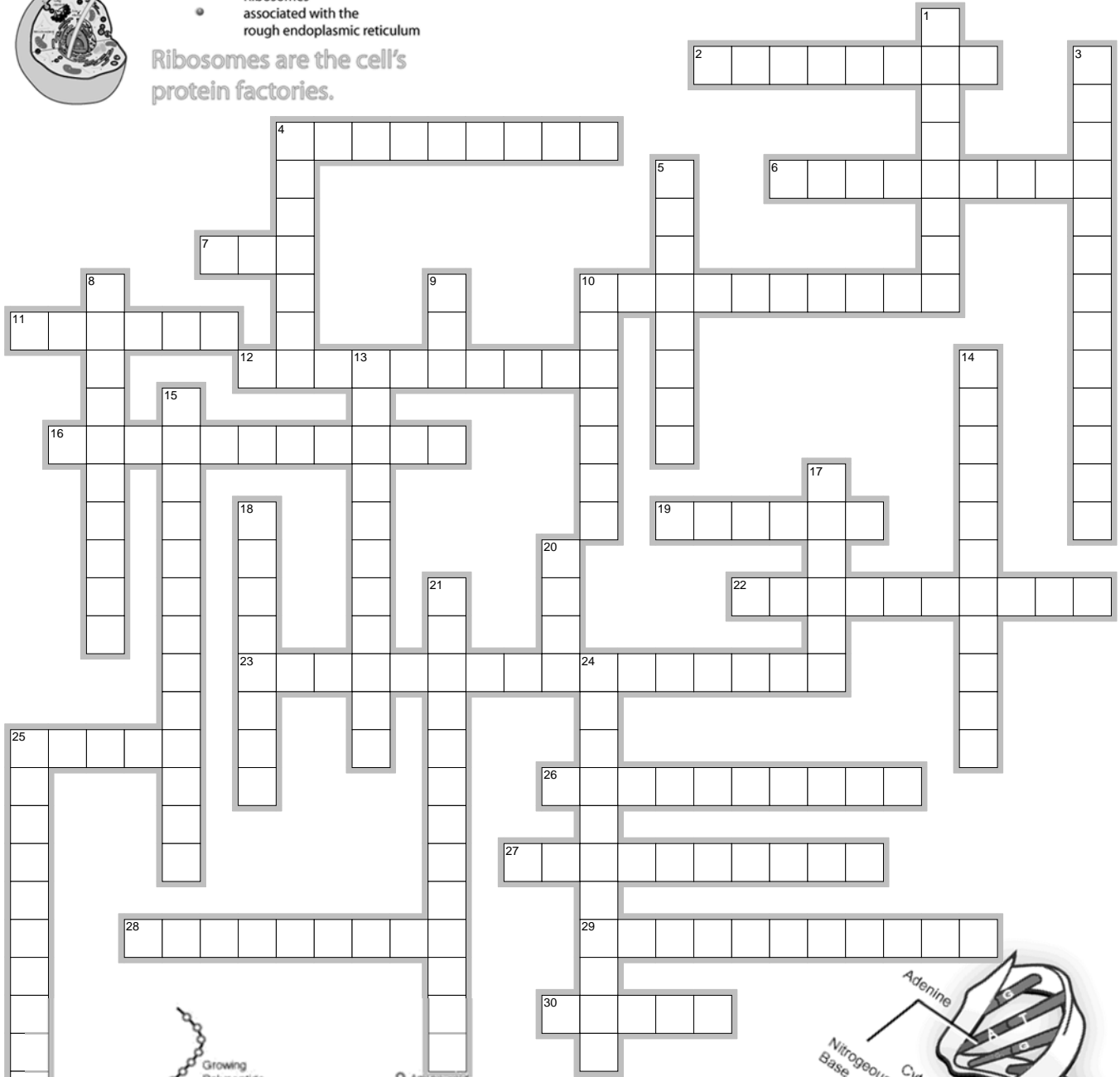
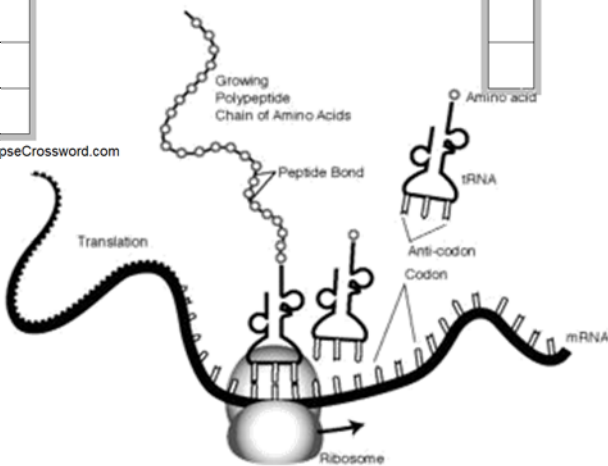


## DNA

### Vocabulary Review



EclipseCrossword.com



## Across

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2. Region of DNA that contains special sequence of nucleotides telling RNA polymerase to bind.
4. Type of RNA that is made using DNA as a template and moves from the nucleus to the cytoplasm.
6. Found on tRNA, this allows the molecule to bind with mRNA and drop off a specific amino acid.
7. Short form of "ribonucleic acid"
10. Single ringed nitrogenous bases.
11. Double ringed nitrogenous bases.
12. The first step of translation, requires the start codon (AUG).
16. This type of DNA contains DNA from two or more different sources.
19. In RNA, thymine is replaced by this nitrogenous base.
22. Organisms that have had a foreign gene inserted into their DNA are \_\_\_\_\_ organisms.
23. Describes the fact that DNA is made up of one old, parent strand and one new, daughter strand.
25. Type of mutation that substitutes one base for another.
26. The second step of translation, amino acids are joined together by peptide bonds.
27. The monomer molecule of DNA and RNA
28. Type of RNA that combines with proteins to become the site of protein synthesis.
29. The final step of translation, requires a stop codon (UAA, UGA or UAG).
30. The triplet codes of the mRNA are also known as this.

## Down

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1. DNA enzyme that unzips the double helix.
3. Process that occurs in the nucleus where mRNA is made using DNA as a template.
4. An environmental factor that can cause changes to the base sequence of genes.
5. Type of bond found between nitrogenous bases.
8. Type of mutation that can involve the insertion or deletion of a base.
9. Short form for "deoxyribonucleic acid"
10. The backbone of DNA and RNA is made up of a phosphate and a \_\_\_\_\_ sugar.
13. Process of making proteins from mRNA.
14. There are four different \_\_\_\_\_ bases in DNA.
15. Matching A-T and C-G is known as \_\_\_\_\_ base pairing.
17. DNA enzyme that seals any breaks in the sugar-phosphate backbone.
18. Type of RNA that brings amino acids to the ribosomes.
20. A segment of DNA found on a chromosome that specifies the amino acid sequence of a protein.
21. Field of \_\_\_\_\_ uses natural biological systems to create a produce or to achieve a goal desired by humans.
24. The process of duplicating DNA during mitosis or meiosis.
25. DNA enzyme that fits nucleotides into proper order on a new strand of DNA.