

Name :

Date :

# RNA & GENETICS QUICK QUIZ

Fill in each blank using a word from the word bank.  
Test how well you understand the basics of RNA and how it works in genetics!

Word Bank			
RNA	amino acid	base	tRNA
DNA	mRNA	cytoplasm	cytosine
protein	nucleus	codon	translation
uracil	gene	adenine	transcription
anticodon	guanine	rRNA	ribosome

1. RNA is made during \_\_\_\_\_.
2. Proteins are made during \_\_\_\_\_.
3. \_\_\_\_\_ carries the genetic message.
4. \_\_\_\_\_ brings amino acids to the ribosome.
5. The \_\_\_\_\_ helps assemble proteins.
6. RNA is made in the \_\_\_\_\_.
7. Proteins are made in the \_\_\_\_\_.
8. A small unit of heredity is a \_\_\_\_\_.
9. The three-letter code on mRNA is called a \_\_\_\_\_.
10. The matching part on tRNA is called an \_\_\_\_\_.
11. A building block of proteins is an \_\_\_\_\_.
12. A complete \_\_\_\_\_ is made from amino acids.
13. In RNA, adenine pairs with \_\_\_\_\_.
14. In RNA, cytosine pairs with \_\_\_\_\_.
15. RNA stands for ribonucleic \_\_\_\_\_.
16. DNA stands for deoxyribonucleic \_\_\_\_\_.
17. \_\_\_\_\_ replaces thymine in RNA.
18. The base A stands for \_\_\_\_\_.
19. The base G stands for \_\_\_\_\_.
20. The base C stands for \_\_\_\_\_.