

Answers:

1. ribonucleic acid
2. proteins
3. transcription
4. translation
5. amino acids
6. 20
7. codon
8. amino acid
9. ribose
10. ribosomes
11. mRNA
12. tRNA
13. rRNA
14. transcription
15. nucleus
16. RNA polymerase
17. promoter
18. terminator
19. uracil
20. introns
21. removed
22. exons
23. thymine
24. a) DNA is double stranded; RNA is single stranded.
b) DNA contains deoxyribose and RNA contains ribose.
c) DNA contains thymine; RNA contains uracil.
25. The purpose of transcription is to copy one gene from the DNA molecule. These instructions will then be sent to the ribosomes in the form of mRNA.