6.1 Direcrted Reading: What Does DNA Look Like?

 1. D

 2. A

 3. B

 4. give instructions for building and maintaining cells and be able to be copied each time a cell divides

 5. so that each cell contains an identical set of genes

 6. complex

 7. a sugar, a phosphate, and a base

 8. adenine, thymine, guanine, cytosine

 9. A, T, G, C

 10. adenine

 11. cytosine

 12. X-ray diffraction

 13. spiral

 14. a long, twisted ladder

 15. how DNA is copied and how it functions in the cell

 16. double helix

 17. alternating sugar and phosphate molecules

 18. a pair of bases

 19. B

 20. A

 21. The matching bases are always present in equal amounts.

 22. replicate

 23. complementary

 24. down the middle

 25. complementary nucleotides

 26. every time a cell divides

27. proteins