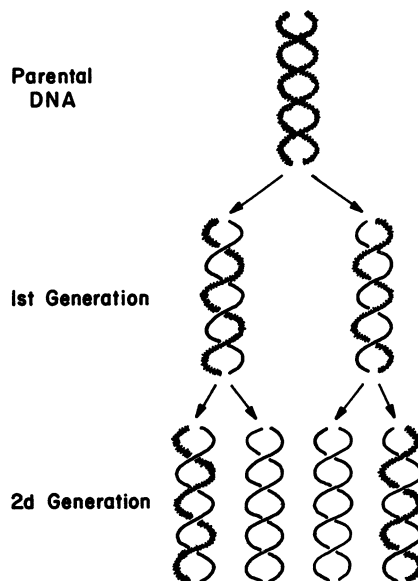


**Figure 2.17.** Double-helical structure of DNA, showing overall process of replication by complementary base pairing. (With permission, from T. D. Brock, D. W. Smith, and M. T. Madigan, *Biology of Microorganisms*, 4th ed., Pearson Education, Upper Saddle River, NJ, 1984, p. 276.)



**Figure 2.18.** Semiconservative replication of DNA.