

6. Chargaff's rules state that in typical DNA:

- a. $A = C$
- b. $A = G$
- c. $A = U$
- d. $A + T = G + C$
- e. $A + G = T + C$

7. The Watson-Crick model of DNA double helix does not include:

- a. two strands that run antiparallel with each other
- b. base pairing occurs on the inside of the double helix
- c. the double helix is right-handed
- d. two equally sized grooves run up the sides of the helix
- e. two strands that have complementary sequences

8. Which of the following is a palindromic sequence:

- a. AGGTCC / TCCAGG
- b. CCTTCC / GGAAGG
- c. GATTCC / CTAAGG
- d. GGATCC / CCTAGG
- e. GTATCC / CATAGG

9. Diagram, **showing all atoms** (not skeletal structures) dCTP, a substrate for DNA polymerase.