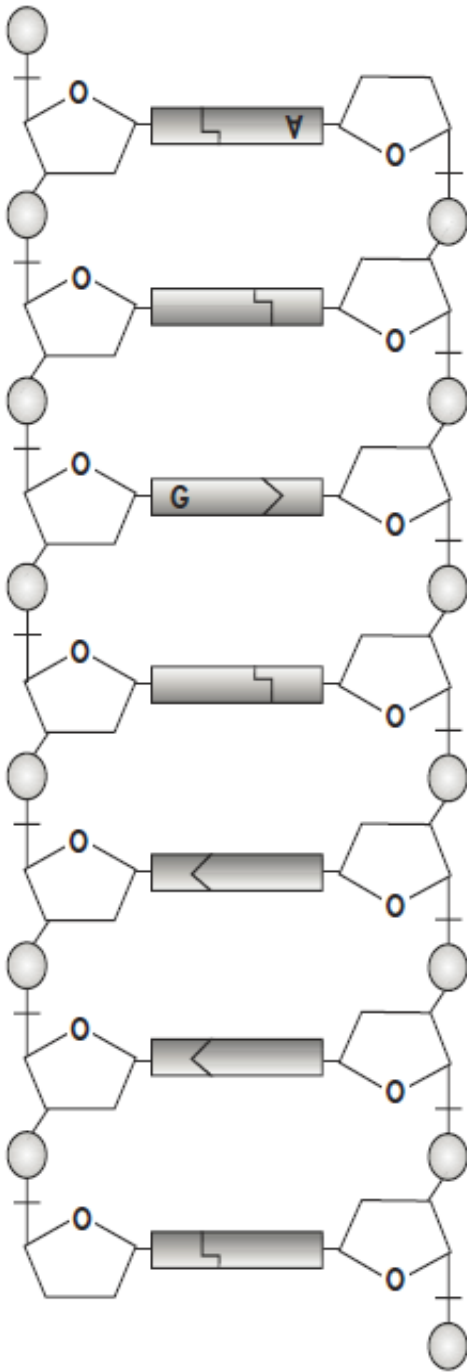


DNA Practice



THE DIAGRAM ON THE left represents an untwisted, double-stranded DNA molecule.

1. Label each sugar group on the diagram with a letter S.
2. Label each phosphate group with a letter P.
3. One adenine (A) and one guanine (G) have already been labeled. Label the rest of the nitrogenous bases.
4. Circle one nucleotide. What three things go together to make a nucleotide?

5. The sides of the DNA ladder are made up of alternating _____ and _____ groups.
6. The rungs of the DNA ladder are made up of _____.
7. A is always paired with _____.
8. G is always paired with _____.
9. Paired bases are held together by weak bonds called _____ bonds.
10. When the DNA ladder twists the way it normally does, the shape of the molecule is called a _____.