

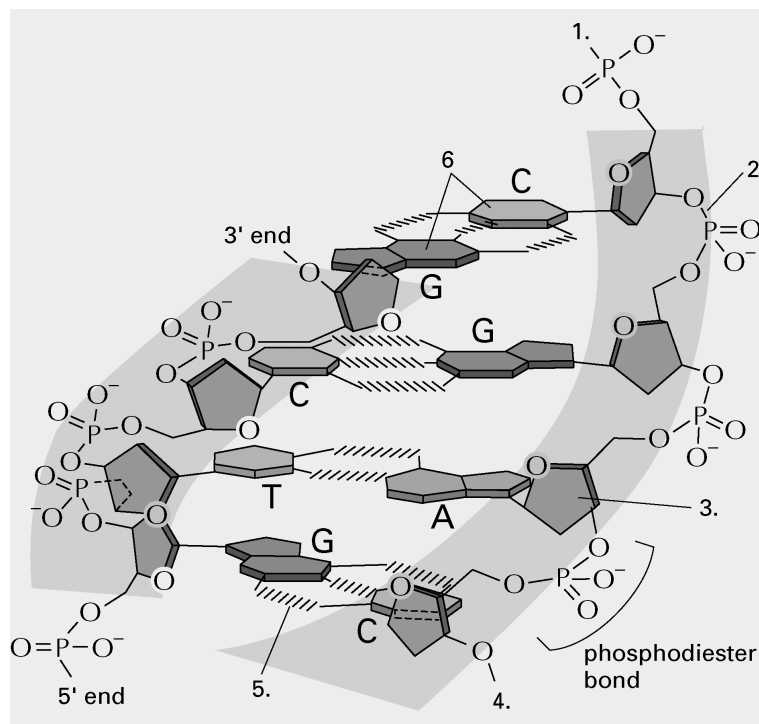
Question 9 (one correct answer)

In a DNA double helix

- (a) the two DNA strands are identical. wrong : complementary
- (b) uracil pairs with adenine. wrong : uracil is not present in DNA
- (c) thymine pairs with cytosine. wrong : thymine pairs with Adenine
- (d) **the two DNA strands run antiparallel.**
- (e) the nucleotides are ribonucleotides. wrong : nucleotides are deoxyribonucleotides

Question 10

On the diagram of a small portion of a DNA molecule, match the labels below to the numbered label lines.



- | | |
|-------------------|----------|
| (a) Base | 6 |
| (b) Sugar | 3 |
| (c) Phosphate | 2 |
| (d) Hydrogen bond | 5 |
| (e) 5' end | 1 |