

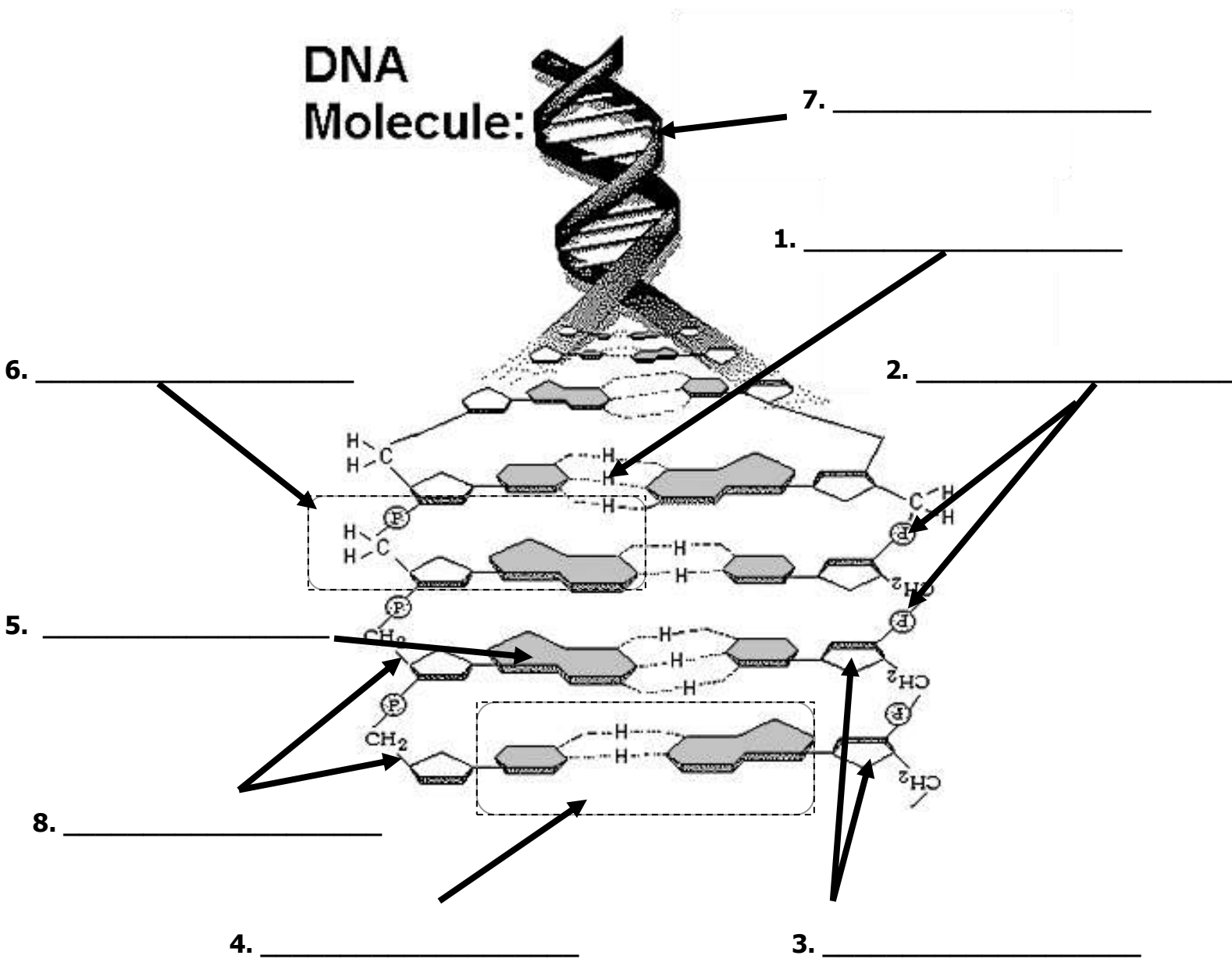
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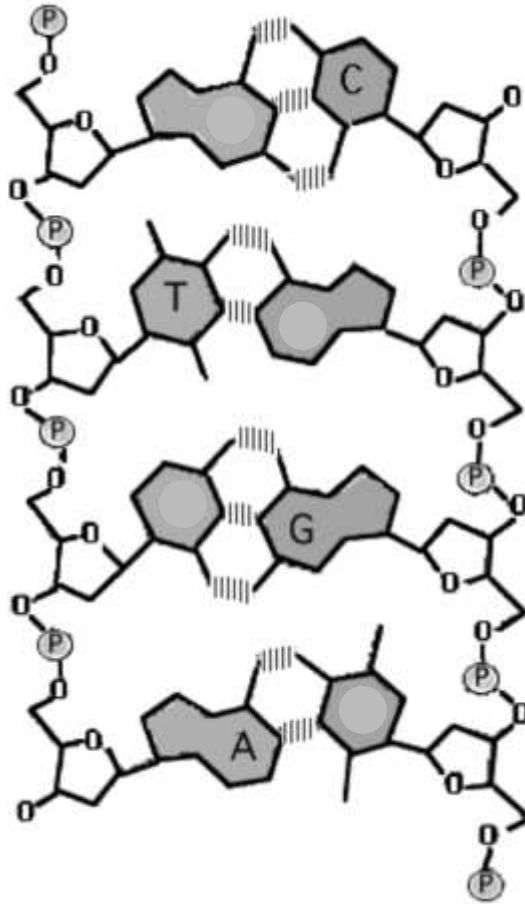
Structure of DNA Worksheet

Directions: Label the diagram below with the following words & phrases:

- Nucleotide
- Deoxyribose sugar
- Phosphate group
- Strong covalent bond
- Complimentary Base pair
- Weak hydrogen bond
- Nitrogenous base
- Double helix



9. Label the **nucleotides** (A, T, G, C) in the DNA molecule below:



10. If the sequence of one single strand of DNA is A-T-G-T-T-C-C-G-A-T, what is the sequence of the complementary strand?

11. If a sample of DNA contains 27% guanine, how much of the other 3 nitrogen bases will be found in the same sample? Show your work.

a. Cytosine _____

b. Adenine _____

c. Thymine _____

Show your work.