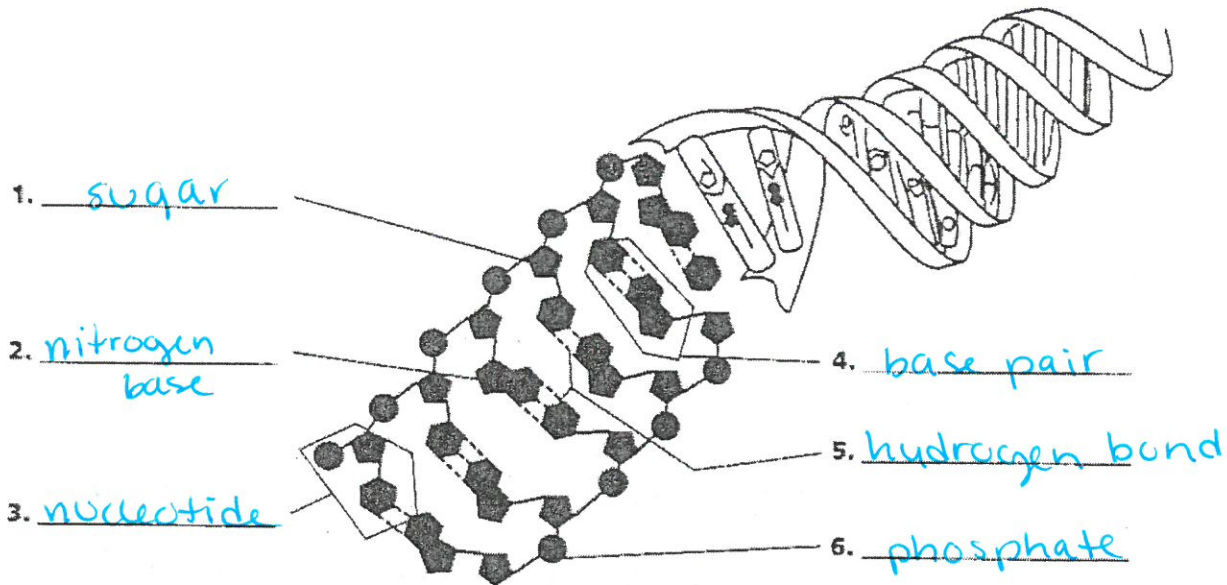


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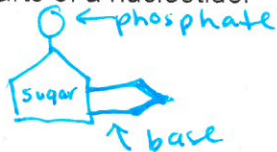
DNA Structure Quiz Review

1. Label the parts of DNA in the model below.

Phosphate	Sugar	Nitrogen Base
Base pair	Hydrogen Bond	Nucleotide



2. Draw and label the 3 parts of a nucleotide:



3. What two molecules make up the sides of the DNA ladder? sugar + phosphate

4. Which bases bond together correctly?

a. T pairs with A

b. G pairs with C

5. If there are 84 A's and 17 C's.....

a. How many G's are found in the DNA molecule? 17

b. How many T's are found in the DNA molecule? 84

6. What are the names of the four main scientists involved in discovering the shape/structure of DNA?

- a. Franklin
- b. Wilkins
- c. Watson
- d. Crick

7. How does the structure of DNA (shape and how it's put together) advantageous to the functions (jobs)?

- a. Determine which structure is the most important to DNA structure in the left column - circle it.
- b. Describe how that structure helps the DNA and the cell do its job - be specific.

Structure	Description of Function / Job
Tightly Coiled Chromosomes Small Size <u>4 Base Pairs</u> Double Helix	By consistently pairing A w/ T and C w/ G, cells are able to store your information with accuracy, copy it accurately and turn the code into usable proteins to help cells accomplish tasks.