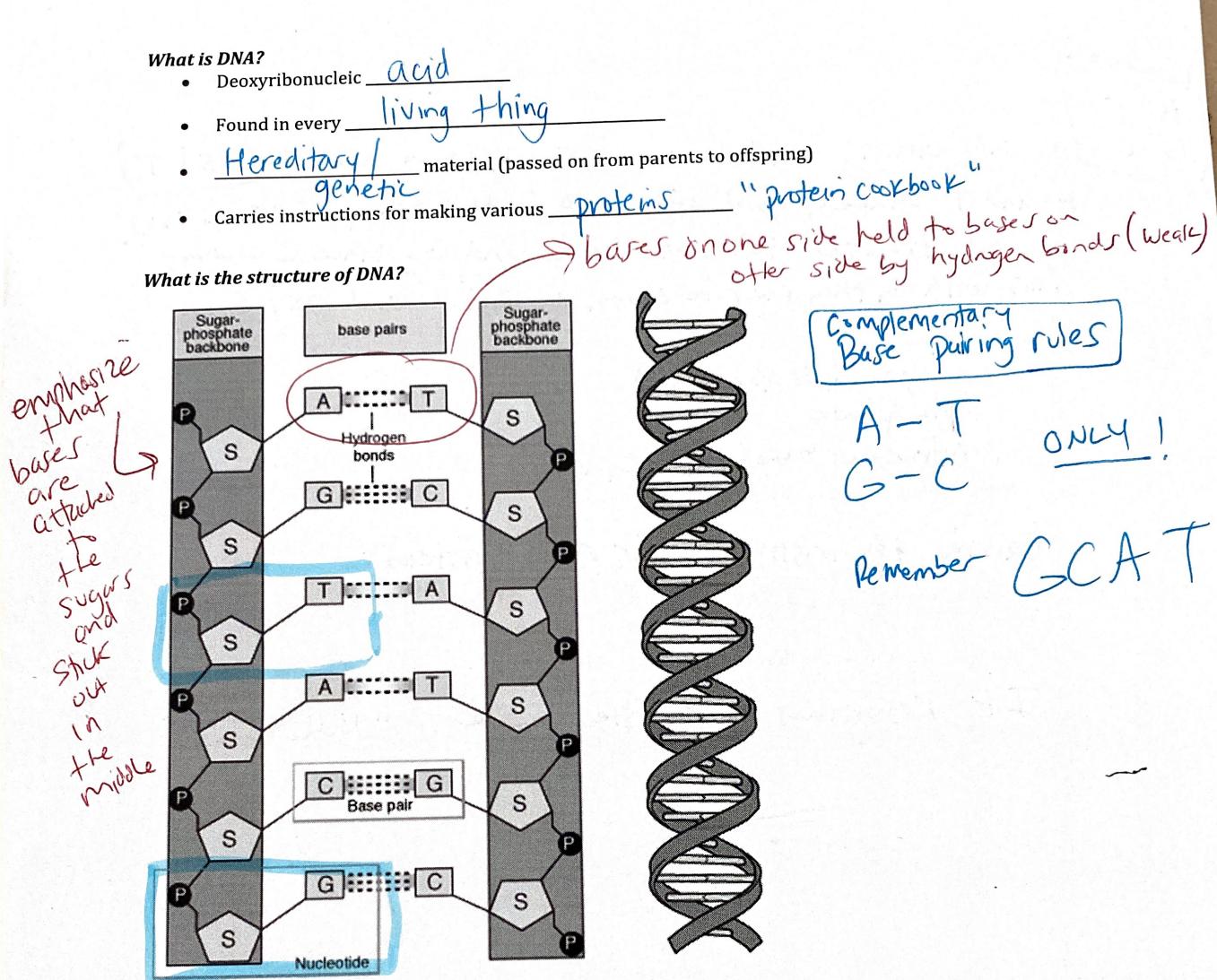
## Introduction to DNA [The Code of Life]



- DNA resembles a twisted ladder ("double helix)
- nucleofides DNA is a polymer made up of monomers called \_
- Each nucleotide has 3 parts:

7 could be adentine (A)
thymine (T)
quantine (G)
Cytosine (C) phosphate nitrogen buse Sugar

## Introduction to DNA [The Code of Life]

Revenue 1. A scientist determines that a particular DNA molecule has 25% adenine (A). What is the percentage of thymine in that DNA molecule? What is the percentage of cytosine? What is the percentage of guanine?

G-C A bonds with T, So if there is 25%. A, there must be 25%. T.

A and T make up 50%. of the DNA in this example (25+25=58),

So the other 50%. Must be C and G. Since Calways lairs with G, they must be equal, or 25%. C and 25%. G.

2. What are the 3 components of a nucleotide?

Sugar (deoxyribuse)
phosphate
Attogenous base (A, T, C, or G)

3. In one sentence, describe what the function of DNA is

Carries the instructions for making proteins

4. In one sentence, describe the overall structure of DNA

It resembles a twisted ladder / "double helix"