



DNA and RNA Structure

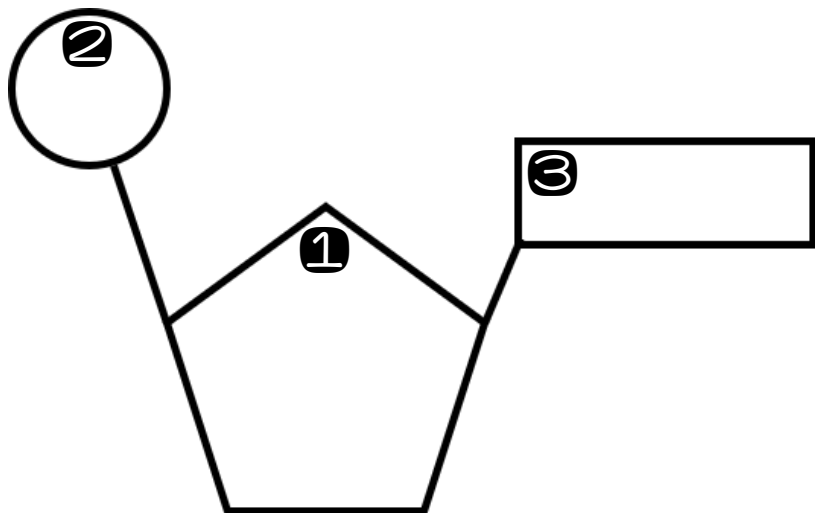


DNA and **RNA** are **Nucleic Acids**

They are made of nucleotides.

3 parts of nucleotides:

- 1 _____
- 2 _____
- 3 _____
- _____
- _____
- _____



DNA

DNA stores _____ using its sequence of A's, T's, C's, and G's

This genetic information is the instructions to make an organism's _____.

What: _____

Structure: _____

Where: _____



RNA

RNA helps DNA to _____

3 types of RNA

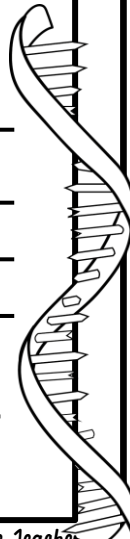
- _____ - messenger RNA
- _____ - ribosomal RNA
- _____ - transfer RNA

Each type has its own job

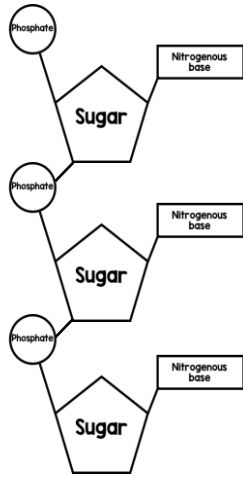
What: _____

Structure: _____

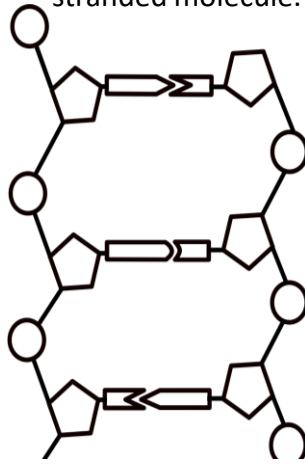
Where: _____



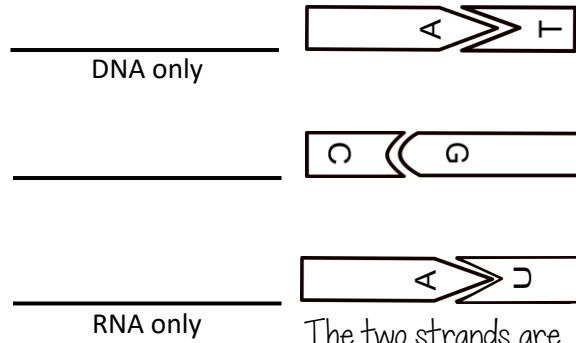
Nucleotides link together to form long chains.



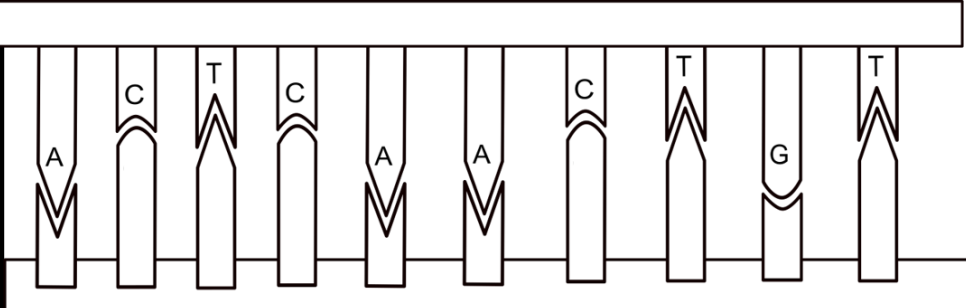
The nitrogenous bases match up in the middle to form a two stranded molecule.



Base Pairing Rules



The two strands are held together by hydrogen bonds.



Try it yourself!

Fill in the other strand of DNA using base pairing rules.

Who discovered the structure of DNA?

_____ and _____
with the help of _____ and _____

Let's Compare DNA and RNA.

