DNA = "_____"

Made of: _____ "_____"

sugar = _____

---,---,--- C

Complimentary Base Pairing Rule: _____

A _____
C _____
Why is RNA Necessary?

C
G
T
A
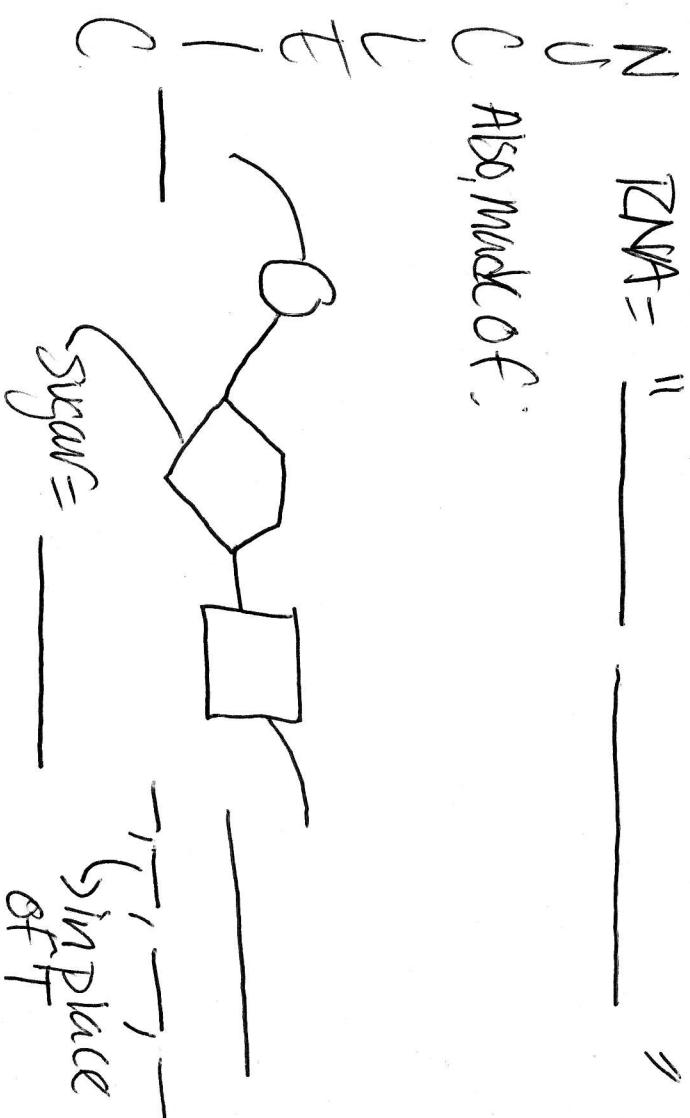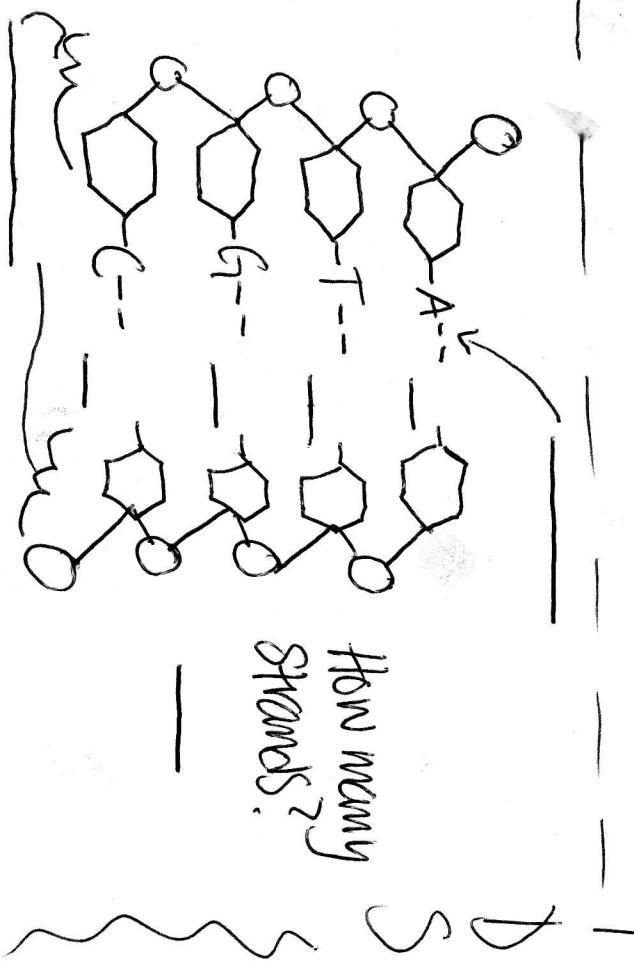
How many Strands? _____

RNA = "_____"

Also, Made of: _____
N
C
G
C

sugar = _____

---,---,--- U in Place of T

sugar = _____

---,---,--- U in Place of T

C
G
U
A

How many Strands? _____

DNA   RNA

How many Strands _____
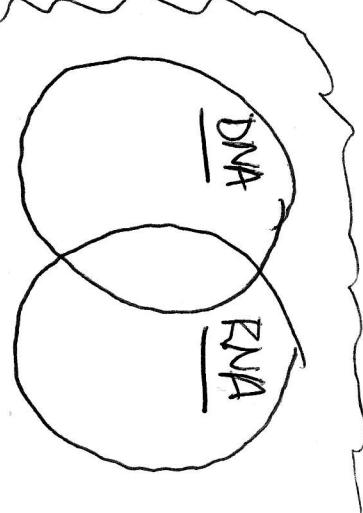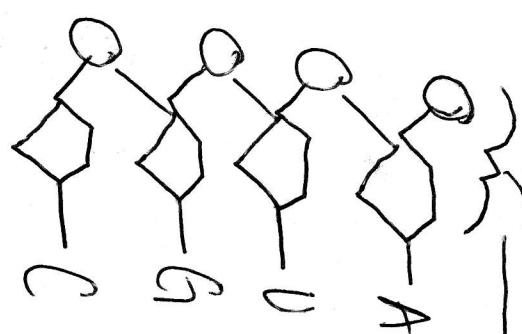
Hierarchy of Genetics *

Genome =
   -> Chromosome
     -> Chromatid
       -> Chromatin
         -> Gene
           -> Codon
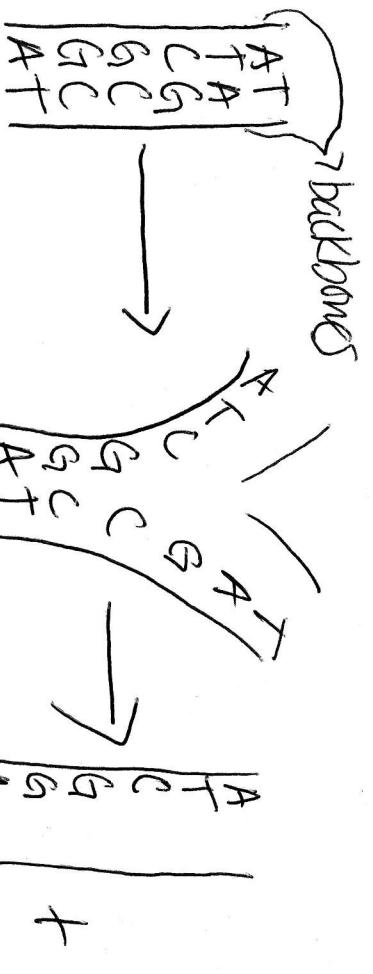   -> Nucleotide

*This gets —— as you move down
the list.

Nucleotides —> Codons—> genes —>proteins—>
         make   make   make   make
—> traits

Replication =
   —>done in preparation for ___

This is controlled by ___
           ___ in the ___

The process of Replication is
Semi-conservative =

```
   A T
   C G
   G C
   A T
      ↘ backbone
```

```
A-T
C-G   →   A | +  | A
G-C       C      G
A-T       G      C
          A      T
```

```
A-C-G-A-T
...
A | +  | A
G      C
C      T
```