

0.1 | #flo #ret

## 1 | Notes

### 1.0.1 | DNA/RNA

- Nucleotides make up DNA and RNA
  - DNA and RNA have different levels of stability
    - \* This is all because of the hydroxyl group vs just the hydrogen
  - If the second carbon does not have an oxygen then it is DNA
    - \* You would write the letter d
  - If there is a T then put a T
  - Count the number of phosphates and use the code
    - \* 1 is Mono - M
    - \* 2 is Di - D
    - \* 3 Tri - T
  - Phosphate groups determine the amount of energy in the molecule

### 1.0.2 | Central Dogma of Biology

- From the DNA an RNA is created
- From the RNA a protein is generated
- The central dogma says that protein instructions are found in DNA
- RNA carries these instructions somewhere which manufactures proteins
- Parts of DNA are transcribed into RNA
- In short DNA –> RNA –> Protein
  - This is done because moving DNA doesn't make sense as it's the master copy
  - RNA is moved to the place that the protein can be made from the instructions
- This is done through transcription and translation