

0.1 | **#flo #ret**

1 | **Notes**

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

1.0.1 | **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