**Genetic Control**

This is a list of all the concepts you will be responsible for in this chapter. You need to have all these words/phrases written and defined in your “Notes” Journal.

**Major Concepts:**

* Semi-conservative replication
* Base pairing and hydrogen bonding
* Protein synthesis
	+ Transcription, translation

**Structures:**

* Nucleotides
	+ Phosphate
	+ Pentose sugars: ribose, deoxyribose
	+ Nitrogenous bases
		- Cytosine, thymine, uracil, adenine, guanine
* Polynucleotides
	+ DNA vs. RNA
* mRNA
	+ Codon
	+ Triplet code
* tRNA
	+ Anticodon

**Vocabulary:**

* Genes
	+ Alleles
	+ Mutations
		- Sickle cell anemia

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