CHAPTER 12 STUDY GUIDE

SECTION 1

* Vocabulary
  + Double helix
  + Nucleosome
* Scientists
  + Griffith
  + Avery
  + Chase and Hersey
  + **Watson and Crick- what do they discover**
* DNA structure
  + Shape
  + Base pairing
  + What type of bond binds them
  + What molecules make DNA (deoxyribosenucleic acid, phosphate, etc)
  + Orientation 5’-3’

SECTION 2

* Vocabulary
  + Semiconservative replication
  + DNA polymerase
  + Okazaki fragment
* Explain DNA replication
  + Purpose
  + Enzymes involved
* Comparing DNA replication in Eukaryotes and Prokaryotes
  + Nucleus other without nucleus

SECTION 3

* Vocabulary
  + RNA
  + Messanger RNA
  + Ribosomal RNA
  + Transfer RNA
  + Transcription
  + RNA polymerase
  + Codon
  + translation
* Differences between DNA and RNA
* Types of RNA
* Transcription
  + Purpose
  + Enzymes involved
* Translation
  + tRNA and its parts
    - anticodons
  + Ribosome
  + Polypeptides
  + Making proteins