

Anatomy Study Guide

Chapter 4 – Cellular Metabolism

1. Study any Quizlets made for chapter 4.
2. Know the aids to understanding words.
3. Explain protein synthesis. (transcription and translation)
4. List the enzymes involved in DNA replication and their function/purpose.
5. What are the complementary base pairs? Be able to match base sequences with both DNA and mRNA.
6. What are the differences between DNA and RNA? Structure, bases, shape, function, etc.
7. What are the final products of cellular respiration?
8. What are the products of glycolysis?
9. What can interfere with an enzyme's ability to function?
10. What is a protein? How long can a protein chain be?
11. Know/Apply the following terms:
 - Active Site
 - ADP
 - Aerobic Respiration
 - Amino Acids
 - Anabolism
 - Anaerobic Respiration
 - ATP
 - AUG
 - Backbone of DNA
 - Catabolism
 - Citric Acid Cycle
 - Codon
 - Cofactor
 - Cytosol
 - Dehydration Synthesis
 - Electron Transport Chain
 - Energy
 - Enzymes
 - Genes
 - Genetic Code
 - Genome
 - Glucose
 - Glycolysis
 - High Energy Electrons
 - Hydrolysis
 - Metabolic Pathway
 - mRNA
 - Oxidation
 - Pyruvic Acid
 - Rate Limiting Enzyme
 - Replication
 - Substrate
 - Transcription
 - Transcription
 - Triglycerides
 - tRNA

