

DNA Structure and Protein Synthesis Test Suggested Topics for Study:

- 1- Effect of exposing an organism to radiation and toxic chemicals
- 2- Why is the mRNA code considered to be “universal” in all living things?
- 3- Know the relationship between: Cell, DNA, m-RNA, t-RNA, r-RNA, Amino Acid, Protein, Nucleus.
- 4- Similarities between DNA replication and transcription? (Double Bubble HW)
- 5- Effect of mutations on organisms (harmful, non harmful) depending on m-RNA code
- 6- Transcribe DNA code
- 7- Find complementary strand of DNA
- 8- Use table to find amino acids by looking at m-RNA codons
- 9- Definition of: - codon, DNA and its function,
- 10- What are some similarities and differences between DNA and RNA
- 11- Practice on reading the genetic code chart (Table)
- 12- The structure of DNA and which bases pair up with which
- 13- Purines vs. Pyrimidines (definitions and examples)
- 14- How to calculate the percentage of a certain base given one other base.