

DNA Structure, DNA Replication, Protein Synthesis Review for Quiz

❖ DNA Structure and DNA Replication

- Backbone is comprised of what two parts?
- “Rungs” of ladder are comprised of what four bases?
- Overall shape of DNA is called?
- Enzyme responsible for “unzipping” DNA: _____ (ase)
- Enzyme responsible for adding new nucleotides: _____ (ase)
- What three parts comprise a nucleotide (draw a nucleotide)?
- What role does DNA replication play in the cell cycle (new cells coming from _____)?

9. What does the concept, **one gene - one enzyme**, mean?

10. What is the difference between transcription and translation?

11. What is the specific type of RNA that is used to produce the correct order of amino acids in a polypeptide?
