

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 existing cells)?
- C pairs with _____?

Basics of DNA.

How are the bases paired up in the double helix?

Fill in the blanks to create

___ G C
C ___ ___

DNA **complementary base-pairing** practice – Fill in the complementary strands of DNA:

Strand 1 A ___ T G A ___
Strand 2 ___ T ___ ___ ___ T