

Chapter 12 Keys to Success

What type of bonds hold DNA together and where are they found?

What is complementary base pairing? What are examples of purines and pyrimidines? How do they complementarily pair up?

DNA is antiparallel. What does this mean?

How is DNA replication semi-conservative?

Describe the process of DNA replication, including the three main enzymes and their functions where appropriate.

Ultimately, what do almost all genes encode?

What is the central dogma of biology?

What are three types of RNA and their functions?

What are some major differences between DNA and RNA?

What are codons, how big are they, and what is their purpose?

How many codons are there? Based on what codons do, does this seem like more than necessary?

What does transcription mean? How are transcripts processed in eukaryotes before being exported from the nucleus?

What is translation? What important molecules are involved and what are their purposes?