

8.2, 8.3, & 8.4- For each term, NEATLY write the **definition** on the back of the card, including the answer to the question.

Nucleotide

What are the three parts of a nucleotide? Which part is different in different nucleotides?

DNA

polymerase

How is each new molecule of DNA related to the original molecule?

Double helix

what does complementary mean?

Central Dogma

Use the terms: transcription, translation, and replication to make a simple flow chart that explains the central dogma.

Base pairing rules

How are base pairing rules related to Chagraff's research on DNA?

RNA

How do DNA and RNA differ?

Replication

How does replication ensure that cells have complete sets of DNA?

Transcription

Why does transcription occur in the nucleus of eukaryotes?