Chapter 12 Review Guide

Key Terms

Virulent

Transformation

Bacteriophage

Double helix

Nucleotide

Deoxyribose

Base-pairing Rule

Complementary

DNA Replication

DNA Helicase

Replication Fork

DNA Polymerase

DNA Ligase

Template

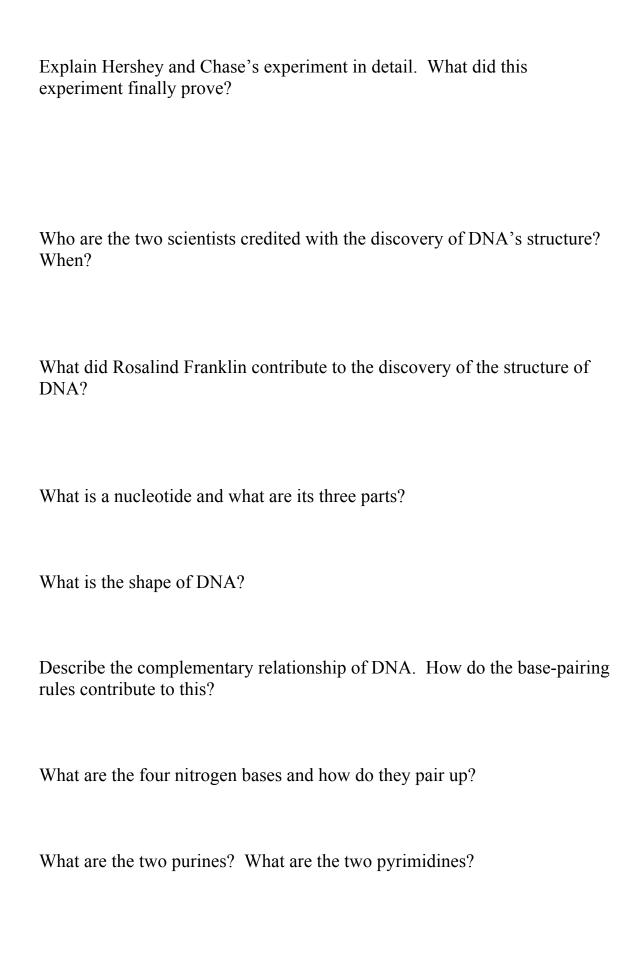
Parental Strand

Mutation

Semi-Conservative

Key Concepts

How did Griffith's experiment contribute to the discovery of DNA as the molecule of heredity?



Be able to label the parts of the DNA double helix.
What is an error in our DNA called? What checks for them during DNA Replication? What are the three possible outcomes of mutations?
If the following was a strand of DNA, what would it look like after DNA Replication? Label the parental template strands and new strands.
AATTGCGCTTAGGGCCTA TTAACGCGAATCCCGGAT