

DNA Structure and Replication.

DNA Structure and Replication Cheat Sheet

Key Concepts:

1. Double Helix Model
2. Nucleotides (A, C, G, T)
3. Base Pairing (A-T, G-C)
4. DNA Replication (Initiation, Elongation, Termination)
5. Replication Fork
6. Leading Strand and Lagging Strand
7. Okazaki Fragments
8. RNA Primers

DNA Structure:

1. Double helix model: Two complementary strands twisted together.
2. Nucleotides: Building blocks of DNA (A, C, G, T).
3. Base pairing: A-T and G-C pairs hold the strands together.

DNA Replication:

1. Initiation: Replication begins at the origin.
2. Elongation: DNA polymerase adds nucleotides.
3. Termination: Replication completes at the terminus.

Key Terms:

1. Nucleotide: Building block of DNA.
2. Base pairing: Specific pairing of nucleotides.
3. Replication fork: Region where DNA is replicated.
4. Leading strand: Continuously synthesized strand.