

DNA Replication Worksheet

Answer the following questions in the space provided.

1. With the help of a diagram, explain what is meant by “semi-conservative” replication.

2. Explain how DNA replication is initiated.

3. Describe the role the following molecules play in DNA replication:

a) DNA polymerase

b) RNA primer

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c) Okazaki fragments

d) DNA ligase

4. Explain how the leading and lagging strands of DNA are replicated. Why are they each replicated in a different manner?
