

Name \_\_\_\_\_  
Block 1 2 3 5

## Transcription

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#### **Part 1: DNA Replication Review**

Directions: Answer the questions below.

1. What is DNA replication?
2. Where does DNA replication occur?
3. What is the 1<sup>st</sup> step in DNA replication?
4. In DNA Replication, Adenine pairs with \_\_\_\_\_ and Guanine pairs with \_\_\_\_\_.
5. Complete the strand to do DNA Replication below:

**ATGCATTGACGGTACCGATAACATCAT**

Complementary strand:

6. Justify why DNA replication important?

#### **Part 2: RNA vs. DNA**

Directions: Answer the questions below.

1. What is RNA?
2. What do the letters RNA stand for?
3. Compare and contrast RNA and DNA in three different ways:
4. What processes use DNA?
5. What processes use RNA?
6. What are the 3 kinds of RNA?
7. Fill in the chart below:

#### **Part 3: Transcription**

1. What is transcription?
2. Where does transcription occur?
3. What bases are involved in transcription?