Honors Biology Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
NDHS Per: \_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

**DNA and Protein Synthesis
 Boot Camp Review**

Nucleotide Structure: draw and label a generalized picture – label the parts

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DNA Structure: Draw four nucleotides (A, T, G, C) bonded together in two pairs showing the correct bonding pairs and the anti-parallel structure of the double helix

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DNA Structure: Draw four nucleotides (A, T, G, C) bonded together in two pairs showing the correct bonding pairs and the anti-parallel structure of the double helix

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DNA Structure: Draw four nucleotides (A, T, G, C) bonded together in two pairs showing the correct bonding pairs and the anti-parallel structure of the double helix

**DNA Replication:**  List the enzymes and proteins that control DNA replication

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**DNA Replication:**  List the enzymes and proteins that control DNA replication

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**DNA Replication:**  List the enzymes and proteins that control DNA replication

**Types of RNA and their roles in polypeptide synthesis**

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**Types of RNA and their roles in polypeptide synthesis**

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**Types of RNA and their roles in polypeptide synthesis**

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**Differences between RNA and DNA**

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**Differences between RNA and DNA**

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**Differences between RNA and DNA**

**Transcription:**
**Where:**

 **What:**

**How:**

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**Transcription:**
**Where:**

 **What:**

**How:**

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**Transcription:**
**Where:**

 **What:**

**How:**

**RNA Processing:**

**Where:**

 **What:**

**How:**

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**RNA Processing:**

**Where:**

 **What:**

**How:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**RNA Processing:**

**Where:**

 **What:**

**How:**

**Translation: Steps 1 - 4**1)

2)

3)

4)

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 **Translation: Steps 1 - 4**1)

2)

3)

4)

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**Translation: Steps 1 - 4**1)

2)

3)

4)

**Translation: Steps 5 – 8**5)

6)

7)

8)

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**Translation: Steps 5 – 8**5)

6)

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8)

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**Translation: Steps 5 – 8**5)

6)

7)

8)

**Translation: All of it.**

**DNA CODE: TAC GCA TTG AGC GAT TCA ATT
mRNA CODON: \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_
AMINO ACID: \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_ \_\_\_\_\_**

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