

# RNA Worksheet

Name \_\_\_\_\_

Hour \_\_\_\_\_

1. What is the mRNA strand that would be made from this DNA strand?

G G C T A T A T C C T G C G C T A T A C G C T A

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2. The m in mRNA stands for \_\_\_\_\_.
3. What is the function of mRNA?
4. Draw a picture of the building block of RNA, called a \_\_\_\_\_.

5. In your picture label the following parts – ribose sugar, base, and phosphate group.

6. What are three differences between RNA and DNA?

7. What are two types of RNA? (use both the abbreviations and names)

8. If the following strand is a tRNA, what is the sequence of the DNA strand it built itself from?

U U A G C G C G G G A U U A A G C U C G A A U A

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9. What is the function of tRNA?
10. Proteins are made up of \_\_\_\_\_, which our bodies either make or come from our food.
11. Name the place in the cell where you can find DNA.
12. Draw an mRNA strand that would complement the DNA strand CCAAT.
13. In your picture above, circle an RNA nucleotide.
14. Briefly explain transcription.