RNA & Transcription Worksheet

1. What is the **mRNA** strand that would be copied 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

_____

2. The m in mRNA stands for _____.
3. What is the function of mRNA? _____
4. Draw a picture of the monomer 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 the three types of RNA?

8. If the following strand is a **tRNA**, what is the sequence of the DNA strand it copied 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

_____

9. What is the function of tRNA?
10. Proteins are made up of _____, which our bodies either make or come from our food.
11. What does rRNA do?
12. Name the two places in the cell where you can find RNA.
13. Name the place in the cell where you can find DNA.
14. Draw an mRNA strand that would complement the DNA strand CCAAT.

15. In your picture above, circle an RNA nucleotide.
16. What are the four steps of transcription?