Name _____

Date _____

Review

Using your notes, labs, and worksheets answer the following questions completely.

1. Circle the following pieces of nucleic acids if they represent **DNA only**, Put a square around it if it represents **RNA only**, and leave it alone if it cannot be determined.

AAU TTG AAG ACGCTCA AAGGUUC ATCTC GGUG AACCGG

UUA CCGGCA TTACTAT GGUCCUC AACGGCA ACTG

2. Define the term nucleotide _____

_____

3. Determining if the following base pairs are correct by circling the incorrect pairs.

A-T C-G G-G T-A A-U T-U C-G A-G C-A U-G U-C U-A

4. What is the function (job) of DNA? _____

_____

5. Where is DNA located in the cell? _____

6. What is the job of m-RNA? _____

_____

7. How is m-RNA formed? _____

8. What are 2 differenced between DNA and RNA? a). _____

b). _____

9. What is the shape of a DNA molecule? _____

10. What is the function of t-RNA? _____

11. What is a codon? _____

12. How many bases does each codon contain? _____

13. What does a codon code for? _____

14. Using your codon chart, determine t he amino acids for the following m-RNA codons.

AUG _____ CUC _____

GGU _____ ACC _____

UCU _____

15. What is the function of the ribosome? _____

16. Define transcription. _____

17. Define translation. _____