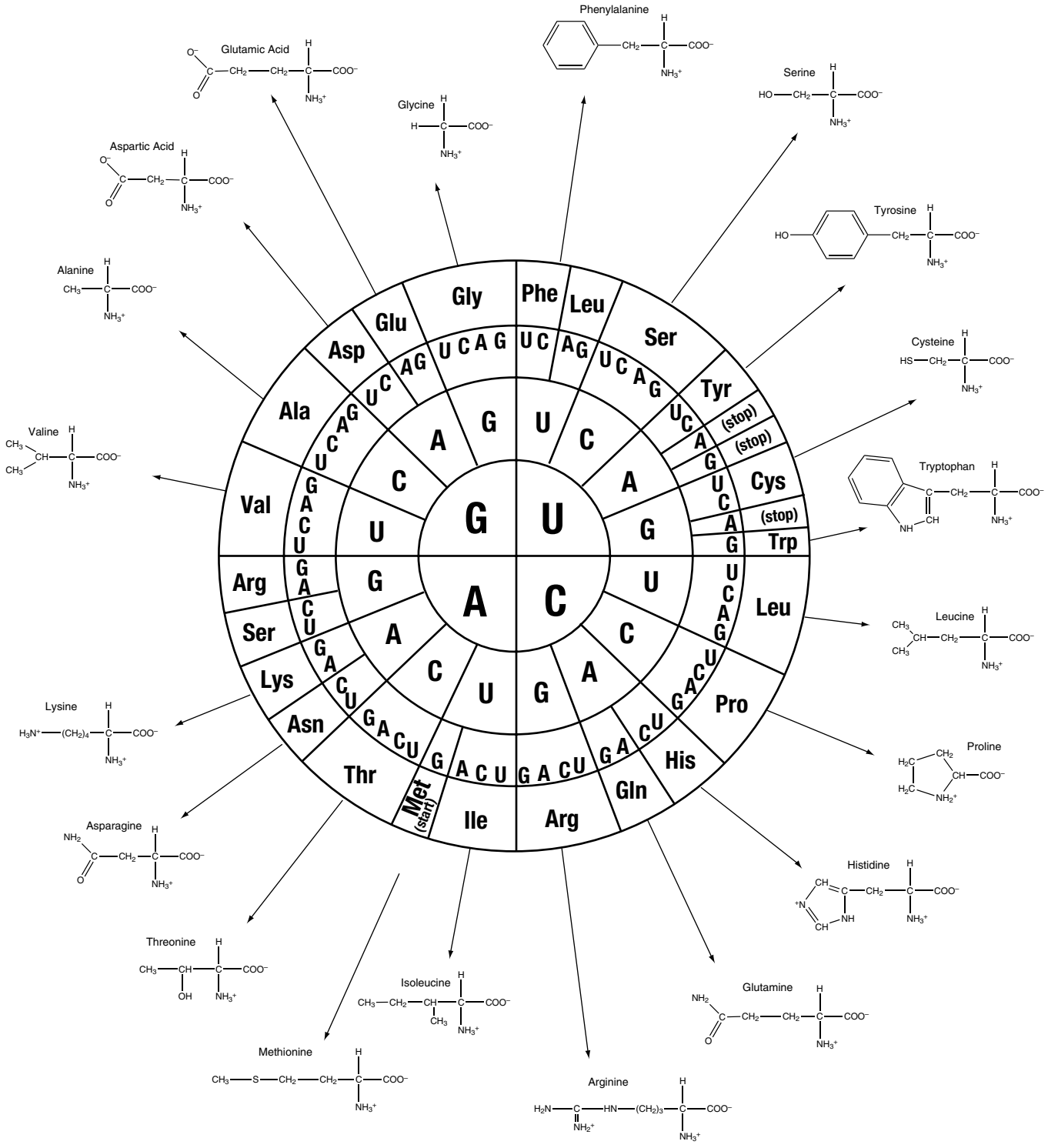
FLINN SCIENTIFIC

Name_____

mRNA Decoding Chart



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DNA Worksheet

1. Draw a DNA molecule that would code for the following amino acid sequence from its 3′ end.

   proline—tyrosine—alanine—valine—threonine

2. Draw the mRNA and tRNA's for the amino acid sequence in question 1.

3. The codons, UAG, UGA, and UAA are "stop" codons. What might a stop codon specify and of what value might it serve?

4. The codon CCA specifies proline in all life forms on this planet. Why might this "universal" code be significant? Useful?