



2. Write the CODON that corresponds with each amino acid. There may be more than one. The full names are written, but the codon chart only shows the first three letters.

**proline** \_\_\_\_\_      **glycine** \_\_\_\_\_

**valine** \_\_\_\_\_      **phenylalanine** \_\_\_\_\_

**histidine** \_\_\_\_\_      **arginine** \_\_\_\_\_

3. A single codon is used to signal the beginning of protein synthesis. It is commonly called the START CODON.

Locate the start codon on the chart. What are the three bases of this codon? \_\_\_\_\_

4. There are three codons that signal the end of synthesis, these are called STOP codons.

What are the three stop codons? \_\_\_\_\_

5. For each sequence of DNA is shown. Write the complementary RNA sequence underneath the letters, then use the codon chart to determine the amino acid sequence:

DNA → **T A C C A T G G A A T T A C T**

RNA →

Amino Acids →

DNA → **T T C A A T G G T C T A G G G**

RNA →

Amino Acids →

DNA → **A C A T T T C A G A C C G T C**

RNA →

Amino Acids →