# Codon chart practice · Worksheet

mRNA · Read 5′ to 3′ · Standard code (NCBI table 1)

Name: _____ Date: _____

**1–8: Write the amino acid name or code, or Stop.**

1. **5′-UGG-3′** _____
2. **5′-AAA-3′** _____
3. **5′-GAC-3′** _____
4. **5′-UCU-3′** _____
5. **5′-UAG-3′** _____
6. **5′-AUG-3′** _____
7. **5′-CCA-3′** _____
8. **5′-GUU-3′** _____

**9–10: Translate from the first base. Give one-letter codes.**

End at the first stop codon; do not include it in the peptide.

## 9. 5′-AUG GCC UGG AAA GAC UAA-3′

Peptide: _____

## 10. 5′-AUG UUU UGA GGU-3′

Peptide: _____

Illustrative exercises; these sequences are not identified natural genes.

Source: NCBI genetic-code tables, table 1 (September 23, 2024).

CodonChart.com · Use the table or wheel, then check the matching answer key.