

<b>CHAPTER 18</b>	<b>Transcription and Translation Worksheet Answer Key</b>	<b>BLM 18.2.9A</b>
<b>ANSWER KEY</b>		

- arginine
  - alanine
  - leucine
  - stop codon, no amino acid is coded
- AUGCCAGUGUACUAA
  - methionine—proline—valine—tyrosine—stop
  - UAC
- methionine—lysine—histidine—tryptophan
  - 4: AUGAAACAUUGG; AUGAAGCAUUGG; AUGAAACACUGG; AUGAAGCACUGG
  - Redundancy. If a mutation occurs in the nucleotide sequence, the chance that a different amino acid will be translated is reduced. For example, CUU, CUC, CUA, and CUG all code for the same amino acid, leucine.