Please use the following numbered scale to indicate your confidence in your knowledge of topics in **Ch. 10 DNA, Transcription and Translation**.

|  |  |
| --- | --- |
| **4** | **I understand the material so well I can teach it to others** |
| **3** | **I feel confident I fully understand the material** |
| **2** | **I get the idea, but I feel there is more to learn** |
| **1** | **This is a totally new concept for me** |

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|  |  | **DATE** | **DATE** | **DATE** |
| **(PRE)** | **(MID)** | **(POST)** |
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| 1. | I am able to illustrate the similarities and differences between the structure and function of DNA and RNA. |  |  |  |
| 2. | I am able to contrast the roles of the three types of RNA. |  |  |  |
| 3. | I am able to summarize the steps of DNA replication and explain its purpose. |  |  |  |
| 4. | I am able to categorize where replication, transcription, and translation occur in the cell. |  |  |  |
| 5. | I am able to explain the purpose and process of transcription. |  |  |  |
| 6. | I am able to explain the purpose and process of translation. |  |  |  |
| 7. | I am able to correctly transcribe a section of DNA into mRNA and translate it into a protein. |  |  |  |
| 8. | I am able to interpret and use the codon chart to determine an amino acid sequence. |  |  |  |
| 9. | I am able to identify point and frame shift mutations in DNA and explain the effect these mutations have on the proteins made from them. |  |  |  |
| 10. | I am able to explain why DNA is known as the Universal Code. |  |  |  |