Please use the following numbered scale to indicate your confidence in your knowledge of topics in **Ch. 6-7: Photosynthesis and Cellular Respiration**

|  |  |
| --- | --- |
| **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 describe the following about ATP:   * Role it plays as a source of energy for cells * How its structure is important in function |  |  |  |
| 2. | I am able to define cellular respiration and its role in living things. |  |  |  |
| 3. | I am able to do the following comparisons about aerobic respiration versus anaerobic respiration:   * definition * when/why each is used * identify organisms that use each process |  |  |  |
| 4. | I am able to identify the following about the processes of cellular respiration:   1. the significance of each process 2. classify them as being a part of aerobic, anaerobic or both types of respiration 3. where the process takes place within the cell 4. how much ATP is created  * Glycolysis * Alcoholic fermentation * Electron Transport Chain (ETC) * Krebs cycle * Lactic acid fermentation |  |  |  |
| 5. | I can contrast the amount of ATP created from aerobic versus anaerobic respiration. |  |  |  |
| 6. | I am able to write the summarized equation representing the process of aerobic respiration. |  |  |  |
| 7. | I am able to define photosynthesis and its role in autotrophs and the importance of the process to all living things. |  |  |  |
| 8. | I am able to summarize the process of photosynthesis with the emphasis on its complimentary nature to aerobic respiration. |  |  |  |
| 9. | I am able to show how cellular respiration and photosynthesis make up the carbon cycle. |  |  |  |
| 10. | I am able to explain the order of evolution of the following processes: aerobic respiration, anaerobic respiration and photosynthesis. |  |  |  |