**Biology 12 Learning Goals**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Learning Goals** | **Content (Tests)** |  | **Level** | **What Does This Mean?** | | | | | | | |
| 1. I can explain how the body monitors homeostasis |  |  | **1** | **I have not shown enough understanding to pass** | | | | | | | |
| 1. I can explain the properties of water |  |  | **2** | **I have shown 50% understanding** | | | | | | | |
| 1. I can explain how acids, bases, and buffers are used in the body |  |  | **3** | **I am starting to understand, but have gaps** | | | | | | | |
| 1. I can identify and explain the uses of carbohydrates, lipids, nucleic acids, and proteins |  |  | **4** | **Good understanding, some consistent errors** | | | | | | | |
| 1. I can explain the role of dehydration synthesis and hydrolysis |  |  | **5** | **Great understanding, only minor errors** | | | | | | | |
| 1. I can explain the role of enzymes in the body |  |  | **6** | **I can teach this for Mrs. Becker next year ☺** | | | | | | | |
| 1. I can draw and label the various cell structures and their functions |  |  |  |  | |  | | |  | |  |
| 1. I can communicate the structure and function of the plasma membrane of cells |  |  |  |  | |  | | |  | |  |
| 1. I can explain the structure, role, and replication of DNA |  |  | **Inquiries** | | | | | | | | |
| 1. I can explain the process of protein synthesis |  |  |  | | **Food** | | **Circulatory** | **Nervous** | | **Case Study** | |
| 1. I can discuss the roles of biotechnology, cloning, and rDNA |  |  | **Questioning** | |  | |  |  | |  | |
| 1. I can explain the role of the four main types of tissues |  |  | **Planning** | |  | |  |  | |  | |
| 1. I can explain the structure and function of the organs of the digestive system |  |  | **Safety** | |  | |  |  | |  | |
| 1. I can explain how enzymes and hormones impact the digestive system |  |  | **Analyzing Data** | |  | |  |  | |  | |
| 1. I can discuss medical conditions of the digestive system |  |  | **Reflection** | |  | |  |  | |  | |
| 1. I can explain the structure and functions of the cardiovascular system |  |  | **Societal Impact** | |  | |  |  | |  | |
| 1. I can explain differences between the adult and fetal circulatory system |  |  | **Communication** | |  | |  |  | |  | |
| 1. I can explain medical conditions of the circulatory system |  |  |  | |  | |  |  | |  | |
| 1. I can explain the role of the lymphatic system and how immunity works |  |  |  | |  | |  |  | |  | |
| 1. I can explain medical conditions of the lymphatic system |  |  | **Learning** | | **Level** | | **Percent (%)** | | | | |
| 1. I can explain the mechanism of respiration |  |  | Expert | | 6 | | 95 | 97 | | 100 | |
| 1. I can explain the various steps of cellular respiration |  |  | 5 | | 86 | 90 | | 94 | |
| 1. I can explain medical conditions of the respiratory system |  |  | Apprentice | | 4 | | 73 | 80 | | 85 | |
| 1. I can explain the structures and functions of the urinary system |  |  | 3 | | 60 | 66 | | 72 | |
| 1. I can explain the role of hormones in the urinary system |  |  | Novice | | 2 | | 50 | 56 | | 59 | |
| 1. I can explain medical conditions of the urinary system |  |  | 1 | | 30 | 40 | | 45 | |
| 1. I can explain the structures and functions of the reproductive system |  |  |  | |  | |  |  | |  | |
| 1. I can explain the role of hormones in the reproductive system |  |  |  | |  | |  |  | |  | |
| 1. I can explain medical conditions of the reproductive system |  |  | **Work Ethic Goals** | | | | | | | | |
| 1. I can explain the various structures and their functions of the CNS and PNS |  |  | I have a growth mindset and am ready to learn | | | | | | | | |
| 1. I can explain the transmission of nerve impulses and role of neurotransmitters |  |  | I am willing to learn from my mistakes | | | | | | | | |
| 1. I can explain medical conditions of the nervous system |  |  | I am positive in class and a contributor to our learning environment | | | | | | | | |
| 1. I can discuss the pro’s and con’s of various lifestyle choices (diet, exercise, sleep, etc) |  |  | I ask questions and push the boundaries of my knowledge | | | | | | | | |
| 1. I can compare and contrast western medicine and holistic health care and careers in both |  |  | I am a considerate team mate and work well with my learning partners | | | | | | | | |