**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 |