**Science 10**

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

**Learning Goals**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Learning Goals** | **Novice**  (1 and 2) | **Apprentice**  (3 and 4) | **Expert**  (5 and 6) | **Do I want to rewrite?** |
| 1. I can identify safety concerns in a science lab |  |  |  |  |
| 1. I can use the scientific method to conduct a science experiment |  |  |  |  |
| 1. I can read a graph to determine the data from a science experiment |  |  |  |  |
| 1. I can explain the interaction of abiotic and biotic factors within an ecosystem |  |  |  |  |
| 1. I can assess the potential impacts of bioaccumulation |  |  |  |  |
| 1. I can explain the various ways in which natural populations are altered or kept in equilibrium |  |  |  |  |
| 1. I will be able to differentiate between atoms, ions, isotopes, and molecules |  |  |  |  |
| 1. I will be able to classify substances as acids, bases, or salts |  |  |  |  |
| 1. I will be able to distinguish between organic and inorganic compounds |  |  |  |  |
| 1. I will be able to analyze chemical reactions, including reference to conservation of mass and rate of reaction |  |  |  |  |
| 1. I will be able to explain radioactivity using modern atomic theory |  |  |  |  |
| 1. I will be able to explain the relationship of displacement and time interval to velocity for objects in uniform motion |  |  |  |  |
| 1. I will be able to demonstrate the relationship between velocity, time interval, and acceleration |  |  |  |  |
| 1. I will be able to explain the characteristics and courses of thermal energy |  |  |  |  |
| 1. I will be able to explain the effects of thermal energy within the atmosphere |  |  |  |  |
| 1. I will be able to evaluate possible causes of climate change and its impact on natural systems |  |  |  |  |
| 1. I will be able to analyze the processes and features associated with plate tectonics |  |  |  |  |
| 1. I will be able to explain the theory of plate tectonics |  |  |  |  |

**Your Letter Grade Assessment:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Learning Category | Classification | Percent (%) | | |
| Expert | 6 | 95 | 97 | 100 |
| 5 | 86 | 90 | 94 |
| Apprentice | 4 | 73 | 80 | 85 |
| 3 | 60 | 66 | 72 |
| Novice | 2 | 50 | 56 | 59 |
| 1 | 1 | 25 | 49 |

**Your Work Ethic Assessment:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Work Ethic** | **Needs Improvement** | **Satisfactory** | **Good** | **Excellent** |
| Student hands in all assignments ON TIME |  |  |  |  |
| Student is coming in for extra help when it is needed |  |  |  |  |
| Student is positive in class and being a positive contributor to our learning environment |  |  |  |  |
| Student is on time and with all necessary supplies each day for class |  |  |  |  |
| Student is asking questions and pushing the boundaries of their knowledge |  |  |  |  |