Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Pd: \_\_\_ Ast#: \_\_\_\_\_

**Physical Science Honors**

Science Performance Rating Scale

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Big Idea: PROPERTIES OF MATTER** | | | **Assessed at Complexity Level:**  **3 – STRATEGIC THINKING & COMPLEX REASONING** | | | |
| **Unit: Kinetic Molecular Theory** | | |
| **SC.912.P.12.10 – Interpret the behavior of ideal gases in terms of kinetic molecular theory.** | | | | | | |
| **MASTERY** | | **Performance Indicators** | | **BEFORE INST.** | **DURING INST.** | **AFTER INST.** |
| **4** | **EXCEEDING**  **the Standard** | Explain how the ideal gas law combines Boyle’s law, Charles’s law, Gay-Lussac’s law, and Avagadro’s law to interpret ideal gas behavior | |  |  |  |
| **3** | **MASTERY** | Predict and interpret the behavior of ideal gases using Boyle’s law, Charles’s law, Gay-Lussac’s law, and Avagadro’s law | |  |  |  |
| **2** | **PARTIAL MASTERY** | Describe the behavior of gases using Boyle’s law | |  |  |  |
| Describe the behavior of gases using Charles’s law | |  |  |  |
| Describes the behavior of gases using Gay-Lussac’s law | |  |  |  |
| Explain Avagadro’s law | |  |  |  |
| Identify definitions of key terms such as: IDEAL GAS, KINETIC MOLECULAR THEORY, BOYLE’S LAW, CHARLES’S LAW, GAY-LUSSAC’S LAW, AVAGADRO’S LAW, PRESSURE, VOLUME, TEMPERATURE | |  |  |  |
| **1** | **BUILDING MASTERY** | With help, I can demonstrate partial mastery of some of the simpler tasks listed above, but I still make some mistakes. | |  |  |  |
| **0** | **NOVICE** | I currently have no knowledge or mastery of the skills and tasks listed above, but I will make an effort to learn them. | |  |  |  |