Name: DUE DATE – TEST DATE:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Applied Physics**  21 Magnetism | | | | | evidence and practice  ASSIGNMENT NUMBERS FROM PORTFOLIO EVIDENCE & PRACTICE LOG |
| Status of Standard | | | | |
| Vocabulary is in bold! | | **Not Yet**  *I have no idea what to do.* | **Proficient**  *I can do it with some help and few mistakes.* | **Advanced**  *I can do it correctly and with confidence.* |
| I can… | |
| 1 | Determine how **magnetic poles** interact. |  |  |  |  |
| 2 | Explain how a **magnetic field** can affect a magnet that enters the field. |  |  |  |  |
| 3 | Clarify why some materials are magnetic while others are not. |  |  |  |  |
| 4 | Define a **Magnetic Force.** |  |  |  |  |
| 5 | Define **Magnetosphere.** |  |  |  |  |
| 6 | Define a **Magnetic Domain.** |  |  |  |  |
| 7 | Define **Ferromagnetic Material.** |  |  |  |  |
| 8 | Determine how an electric charge can create a magnetic field. |  |  |  |  |
| 9 | Explain how an **electromagnet** is controlled. |  |  |  |  |
| 10 | Explain how **galvanometers**, **electric motors**, and **loudspeakers** work. |  |  |  |  |
| 11 | Define **Solenoid**. |  |  |  |  |
| 12 | Define an **Electromagnetic Force.** |  |  |  |  |
| 13 | Explain how voltage is induced in a conductor. |  |  |  |  |
| 14 | Name two types of **generators**. |  |  |  |  |
| 15 | Explain how a **transformer** can change voltage and current. |  |  |  |  |
| 16 | Think of some sources for electrical energy in the United States. |  |  |  |  |
| 17 | Define **Electromagnetic Induction.** |  |  |  |  |
| 18 | Define a **Turbine.** |  |  |  |  |
| 19 |  |  |  |  |  |
|  | **END GOAL** |  |  |  |  |
| 20 | Use all the concepts in this unit to describe, analyze, and persist in solving problems |  |  |  |  |