Name: DUE DATE – TEST DATE:

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| **Applied Physics**  25 The Solar System | | | | | 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 are the **geocentric** and **heliocentric** models of the solar system different**.** |  |  |  |  |
| 2 | Determine what keeps the planets in orbit around the sun**.** |  |  |  |  |
| 3 | Identify the bodies that make up the solar system**.** |  |  |  |  |
| 4 | Describe how the solar system is being explored today. |  |  |  |  |
| 5 | Define a **ecliptic plane** |  |  |  |  |
| 6 | Define a **moon** |  |  |  |  |
| 7 | Define a **astronomical unit** |  |  |  |  |
| 8 | Define **space probe** |  |  |  |  |
| 9 | Describe the moon’s temperature**.** |  |  |  |  |
| 10 | Determine the features on the moon**.** |  |  |  |  |
| 11 | Describe how the moon formed**.** |  |  |  |  |
| 12 | Identify the **phases** of the moon. |  |  |  |  |
| 13 | Describe what causes the **tides**. |  |  |  |  |
| 14 | Define **maria** |  |  |  |  |
| 15 | Define **crater** |  |  |  |  |
| 16 | Define **meteoroids** |  |  |  |  |
| 17 | Define **eclipse** |  |  |  |  |
| 18 | Define **umbra** |  |  |  |  |
| 19 | Define **penumbra** |  |  |  |  |
| 20 | Define **spring tide** |  |  |  |  |
| 21 | Define **neap tide** |  |  |  |  |
| 22 | Describe the inner planets. |  |  |  |  |
| 23 | Determine how **asteroids** are formed. |  |  |  |  |
| 24 | Define **terrestrial planets** |  |  |  |  |
| 25 | Define **asteroid belt** |  |  |  |  |
| 26 | Describe the characteristic of the outer planets. |  |  |  |  |
| 27 | Identify a dwarf planet. |  |  |  |  |
| 28 | Describe a comet and meteoroid. |  |  |  |  |
| 29 | Determine what lies outside of the solar system. |  |  |  |  |
| 30 | Define **gas giants** |  |  |  |  |
| 31 | Define **ring** |  |  |  |  |
| 32 | Define **Kuiper belt** |  |  |  |  |
| 33 | Define **Oort cloud** |  |  |  |  |
| 34 | Describe the nebular theory. |  |  |  |  |
| 35 | Determine the composition and size of the planets. |  |  |  |  |
| 36 | Define **solar nebula** |  |  |  |  |
| 37 | Define **protoplanetary disk** |  |  |  |  |
| 38 | Define **planetesimals** |  |  |  |  |
| 39 | Define **accretion** |  |  |  |  |
|  |  |  |  |  |  |
|  | **END GOAL** |  |  |  |  |
| 40 | Use all the concepts in this unit to describe, analyze, and persist in solving problems |  |  |  |  |