Name: DUE DATE – TEST DATE:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Applied Physics**  22 Earth’s Interior | | | | | 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 | Explain what the science of Geology is. |  |  |  |  |
| 2 | List characteristics of Earth’s principal layers |  |  |  |  |
| 3 | Define **Geologist** |  |  |  |  |
| 4 | Define **Uniformitarianism** |  |  |  |  |
| 5 | Define **Crust** |  |  |  |  |
| 6 | Define **Silicates** |  |  |  |  |
| 7 | Define **Mantle** |  |  |  |  |
| 8 | Define **Lithosphere** |  |  |  |  |
| 9 | Define **Asthenosphere** |  |  |  |  |
| 10 | Define **Mesosphere** |  |  |  |  |
| 11 | Define **Core** |  |  |  |  |
| 12 | Explain what a mineral is. |  |  |  |  |
| 13 | Determine important properties of minerals. |  |  |  |  |
| 14 | Define **Rock** |  |  |  |  |
| 15 | Define **Inorganic** |  |  |  |  |
| 16 | Define **Streak** |  |  |  |  |
| 17 | Define **Luster** |  |  |  |  |
| 18 | Define **Hardness** |  |  |  |  |
| 19 | Define **Fracture** |  |  |  |  |
| 20 | Define **Cleavage** |  |  |  |  |
| 21 | Name the three major groups of rocks. |  |  |  |  |
| 22 | Explain how **Igneous rocks** form. |  |  |  |  |
| 23 | Explain how **Sedimentary rocks** are classified |  |  |  |  |
| 24 | Explain how **Metamorphic rocks** form. |  |  |  |  |
| 25 | Determine how one type of rock can change into another. |  |  |  |  |
| 26 | Define **Magma** |  |  |  |  |
| 27 | Define **Lava** |  |  |  |  |
| 28 | Define **Intrusive rock** |  |  |  |  |
| 29. | Define **Extrusive rock** |  |  |  |  |
| 30. | Define **Sediment** |  |  |  |  |
| 31. | Define **Clastic Rocks** |  |  |  |  |
| 32. | Define **Foliated Rocks** |  |  |  |  |
| 33. | Define the **Rock Cycle**. |  |  |  |  |
| 34. | Explain what **plate tectonics** and **continental drifts** are. |  |  |  |  |
| 35. | Determine what the roles of **sea-floor spreading** and **subduction** in plate tectonics are. |  |  |  |  |
| 36. | Determine why tectonic plates move. |  |  |  |  |
| 37. | Name what the types of plate boundaries are and their characteristics. |  |  |  |  |
| 38. | Determine where most mountains form. |  |  |  |  |
| 39. | Define **Pangaea** |  |  |  |  |
| 40. | Define **Mid-ocean ridge** |  |  |  |  |
| 41. | Define **Trench** |  |  |  |  |
| 42. | Define a **Divergent Boundary** |  |  |  |  |
| 43. | Define a **Convergent Boundary** |  |  |  |  |
| 44. | Define a **Transform Boundary** |  |  |  |  |
| 45. | Determine what causes **faults** and **folds**. |  |  |  |  |
| 46. | Determine what causes **earthquakes**. |  |  |  |  |
| 47. | Explain how earthquakes are measured. |  |  |  |  |
| 48. | Determine where most earth quakes occure. |  |  |  |  |
| 49. | Define **Seismic Waves** |  |  |  |  |
| 50. | Define **Tsunami** |  |  |  |  |
| 51. | Define **Stress** |  |  |  |  |
| 52. | Define **Focus** |  |  |  |  |
| 53. | Define **Epicenter** |  |  |  |  |
| 54. | Define **P Waves** |  |  |  |  |
| 55. | Define **S Waves** |  |  |  |  |
| 56. | Define **Surface Waves** |  |  |  |  |
| 57. | Define a **Seismograph** |  |  |  |  |
| 58. | Explain how **volcanoes** form. |  |  |  |  |
| 59. | Explain why some volcanic explosions are explosive and some quiet. |  |  |  |  |
| 60. | Determine where Volcanoes are found. |  |  |  |  |
| 61. | Name what landforms are formed from **lava** and **magma**. |  |  |  |  |
| 62. | Define **Magma Chamber** |  |  |  |  |
| 63. | Define a **Pipe** |  |  |  |  |
| 64. | Define a **Vent** |  |  |  |  |
| 65. | Define a **Crater** |  |  |  |  |
| 66. | Define a **Caldera** |  |  |  |  |
| 67. | Define a **Hot Spot** |  |  |  |  |
| 68. | Define **Shield Volcano** |  |  |  |  |
| 69. | Define **Cinder Cone** |  |  |  |  |
| 70. | Define a **Composite Volcano** |  |  |  |  |
| 71. | Define **Sill** |  |  |  |  |
| 72. | Define **Dike** |  |  |  |  |
| 73. | Define **Volcanic Neck** |  |  |  |  |
|  |  |  |  |  |  |
|  | **END GOAL** |  |  |  |  |
| 40 | Use all the concepts in this unit to describe, analyze, and persist in solving problems |  |  |  |  |