**It’s About Time**

**Benchmarks:**

**SC.7.E.6.4 Explain and give examples of how physical evidence supports scientific theories that Earth has evolved over geologic time due to natural processes.** SC.7.E.6.3 Identify current methods for measuring the age of Earth and its parts, including the Law of Superposition and radioactive dating

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| **4** | I can **develop** a plan that will identify the relative age of an unknown rock sample and provide supporting evidence to back up my plan. | |
| **3** | I can **explain** and **give examples** of how physical evidence supports scientific theories that Earth has evolved over geologic time due to natural processes. | |
| **2** | I can **define**:  \_\_\_ decay  \_\_\_ radioactive dating  \_\_\_ evidence  \_\_\_ geological time | \_\_\_\_ I can **cite evidence** to support a claim about radioactive data  \_\_\_\_ I can **explain** how scientists calculate the absolute age |
|  | I can **define**:  \_\_\_ relative age  \_\_\_ absolute age  \_\_\_ uniformitarianism  \_\_\_ unconformity  \_\_\_ tilting  \_\_\_ intrusions | \_\_\_\_ I can **identify** the methods scientists use to date rocks.  \_\_\_\_ I can **explain** how and when scientists use the Law of Superposition to date rocks |
|  | I can **define:**  \_\_\_ fossil  \_\_\_ fossil record  \_\_\_ Law of Superposition  \_\_\_ folding  \_\_\_ faulting | \_\_\_ I can **describe** how events like tilting, folding, faulting, and intrusions can disturb rock layers. |
| **1** | With help, students are able to have partial success with 2.0 and/or 3.0 content. | |
| **0** | Even with help, students have no success with content. | |