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| HOW IS THE EARTH CHANGING? Lesson 2 question HOW DID THE EARTH LOOK IN THE PAST? | | | | |
| What did we do? | What did we observe? | What have we figured out so far? | How does this help answer our question? | What questions do we think we have figured out from our DQB? |
| Looked at phenomenon that evidence of continents splitting apart.  Looked at evidence on the ocean floor  Modeled sea floor spreading | Continents fit together like a puzzle  Rock sequences on coasts of S. America and Africa were same age and same type of rock.  Reptile and plant fossils in Antarctica that originated in warmer climates  Coal was found in Antarctica  Dinosaur fossils in Africa and S. America that matched (couldn’t swim across an ocean).  Mountain Ranges on the ocean floor  Main mountain range is MOR  Found canyons (trenches) on the ocean floor  Rocks on the ocean floor are different ages.  Newest (younger) ocean rock found at MOR, oldest ocean rock further away from MOR  All ocean rock is volcanic in origin  New rock forming at MOR  Saw symmetrical patterns (age, and poles) on the ocean floor  The plates (paper) moved apart. | There used to be a supercontinent Pangaea  Antarctica wasn’t always cold…so must have been in a different location.  Spreading of the plates causes the continents to move ( because continents are part of the plates)  **New material is constantly being added to the edges of some plates, which created new ocean floor between continents.** | We know that the ocean floor spreading apart is causing continents to move apart changing the Earth.  New rock being added to the ocean floor. |  |

UNIT 1: LESSON 2 SUMMARY TABLE HR. \_6\_\_\_