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| 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? |
| Observed and analyzed maps of volcanoes /eq locations  Also elevation of land and oceans  Also analyzed map of plates | Volcanoes Eq are found on coastlines and Ring of Fire (Pacific Ocean)  Most volcanoes and eq found on plate boundaries  Volcanoes are in high elevation  Eq are frequently along plate boundaries  Volcanoes are found in shallow parts of ocean  There are underwater eq/also found in shallow water (high elevation)  At high elevation, not always volcanoes, and eq.  .  Australia no eq/volcanoes/middle of plate  Plates are different sizes, cover the Earth, different shapes.    Plates connected like a puzzle | Infer: Antartica Greenland high elevation might be caused by ice  Continents are part of the plate/  Continents and ocean can be part of the same plate.  When volcanoes are about to erupt there might be eq in the area  Eq and volcanoes (on the boundaries) are caused by plate movement.  Areas in the middle of a plate don’t experience as many eq or volcanoes.  **Earth’s surface is made up of interlocking plates of various shapes and sizes** | Volcanoes and eq change the landscape.  Eq can change the shape of mountain  Eq/volcanoes can change surface of the Earth.  Elevation can increase/decrease because of plate movement  Eq/volcanoes change depth of oceans.  When magma cools, we get new land.  Volcanic eruptions can create islands  Eq can create tsunamis which would result in changing Earth.  Oceans rising could cause erosion creating a change in the Earth. Water over a long period of time creates even greater more permanent changes. | Are volcanoes only near tectonic plates? No, but most are  Do eq and volcanoes occur at the same time? When a volcano is active there can be multiple eq happening  Do plates have anything to do with where most volcanoes are located?  Yes most volcanoes are located on the edges of plates.  What are tectonic plates? Earth’s crust broken up into large pieces. |

UNIT 1: LESSON 1 SUMMARY TABLE HR. \_\_4\_\_