

## Download free Lab activity crustal activity answers .pdf

overview in this activity students will use playdough to build 3d models of earth's crust to observe how it bends and folds as a result of tectonic stress these formations when found in nature give geologists a picture of how earth has formed and changed over geological time 1 on the map crustal activities darken in the lines that represent the equator prime meridian and the international date line 2 using a plot all the world's major earthquakes onto map crustal activities in pencil 3 using a plot all the world's active volcanoes onto map crustal activities in red colored patterns of crustal activity objective how are earthquakes volcanoes mountain ranges and plate boundaries related what are the types of plate boundaries what does movement at these boundaries look like what are the causes and effects of these movements studies of tectonics have shown that crustal activities are occurring worldwide earthquakes volcanoes and mountain ranges do not occur randomly there are special zones in which they occur in this lab you will look for the relationship between the locations of these crustal activities objective these crustal activities and plate boundaries objective students will describe how the location of volcanoes and earthquakes are related to plate boundaries by plotting points on a map and comparing data vocabulary earthquake mid atlantic ridge subduction fault line procedure 1 8 the best evidence of crustal uplift would be provided by a marine fossils in the rocky mountains b sediments in the gulf of mexico c trenches in the pacific ocean floor d igneous rock deep within the earth 9 volcanic activity around the world supports the inference that volcanoes are mostly located in crustal activity lab lab patterns of crustal activity task on the next page you will find four lists each list contains data about crustal activity including earthquakes volcanoes mountains and trenches please plot the locations of these crustal features on the world map provided supplemental crustal activity leigh manuell 1 name plate tectonics date period the physical setting earth science crustal activity explained by plate tectonics evidence of crustal activity what is the driving force behind plate tectonics crustal activity get a hint plate tectonics click the card to flip the study of the formation and movement of plates click the card to flip 1 7 flashcards learn test match q chat created by acamera teacher crustal activity terms students also viewed igneous rock lab vocabulary teacher 11 terms ryan chatfield9 preview 5 the best evidence of crustal uplift would be provided by a marine fossils in the rocky mountains b sediments in the gulf of mexico c trenches in the pacific ocean floor d igneous rock deep within the earth 6 recent volcanic activity in different parts of the world supports the inference that volcanoes are located mainly in patterns of crustal activity background earthquakes volcanoes and mountain ranges do not occur randomly there are special zones in which they occur in this lab you will plot earthquake epicenters volcanoes and mountains and identify the pattern of crustal activity for planet earth patterns of crustal activity lab 3 00 in this patterns of crustal activity lab students will actively engage with real world data maps and scientific tools providing them with a tangible understanding of complex geological concepts earth science lab 4 1 patterns of crustal activity get a hint mid atlantic ridge click the card to flip large divergent boundary in the middle of the atlantic ocean reason for sea floor spreading located with a huge volcanic mountain range click the card to flip 1 13 the physical setting earth science lab activity crustal activity introduction studies of tectonics have shown that crustal activities are occurring worldwide earthquakes volcanoes and mountain ranges do not occur randomly there are special zones in which they occur description in this patterns of crustal activity lab students will actively engage with real world data maps and scientific tools providing them with a tangible understanding of complex geological concepts the purpose of this lab is for students to identify the relationships amongst the specific locations of crustal activities crustal activity plate tectonics click the card to flip the study of the formation and movements of plates click the card to flip 1 10 flashcards learn test match created by mrhemeway teacher study with quizlet and memorize flashcards containing terms like plate tectonics plate lithosphere and more lab activity crustal boundaries earthtoleigh com page 1 procedure a 1 using a blue colored pencil draw a horizontal line across the north atlantic ocean bottom profile at a depth of 0 km this represents the ocean surface sea level 2 control of volcanic activity by crustal structure inference from the izu bonin mariana and northeast japan arcs kaneko 2019 geophysical research letters wiley online library geophysical research letters volume 46 issue 22 p 12968 12976 research letter introduction studies of tectonics have shown that crustal activities are occurring worldwide earthquakes volcanoes and mountain ranges do not occur randomly there are special zones in which they occur in this lab you will look for the relationship between the locations of these crustal activities to determine if there are any patterns in crustal activity to determine the relationship between different types of crustal activity and location to identify regions in which crustal activity is and is not present procedure create a design that fulfills the objectives describe any patterns in crustal

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