

Chapter 9,10,11 Test Study Guide ANSWER KEY

VOCABULARY: KNOW THESE WORDS!!!

HOT SPOTS, SHIELD VOLCANOES, CINDER CONE, COMPOSITE VOLCANOES, EARTHQUAKE, FOCUS, EPICENTER, BODY WAVES, SEISMOGRAPH, TSUNAMIS, MOUNTAIN, CONTINENTAL MARGIN, ANTICLINE, SYNCLINE, FOLDED MOUNTAINS, DOME MOUNTAINS, FAULT-BLOCK MOUNTAINS, HORST, GRABEN OROGENESIS!! (LAST WORD IS IN YOUR NOTES!)

How do volcanic island chains like Hawaii form? **A HOT SPOT REMAINS IN THE SAME PLACE WHILE THE PLATES MOVE OVER TOP AND FORM VOLCANIC ISLAND CHAINS.**

Volcanoes are the result of **_OMIT THIS QUESTION!!!!_** within the crust or mantle.

What type of volcano is Mount Saint Helens?**COMPOSITE VOLCANO_**

When did Mount Saint Helens erupt last?**_1980 AND 2004 (JUST MENTIONED THIS)_**

Where is the ring of fire found?**_AROUND THE BORDERS OF THE PACIFIC PLATE_**

Name 4 other places in the solar system besides Earth where you can find volcanoes: **_THE MOON, MARS, VENUS, IO (JUPITER'S 3RD LARGEST MOON)_**

Be able to label the different types of volcanoes! Cinder Cones, Shield, and Composite!

What is an earthquake?**THE SHAKING AND TREMBLING THAT RESULTS FROM THE SUDDEN MOVEMENT OF PART OF EARTH'S CRUST.**

Where is the San Andreas Fault found? **FROM MEXICO TO NORTH OF CALIFORNIA** Which way does the land to the west move?

NORTH Which way does the land to the East move? **SOUTH**

How do Tsunamis form? **EARTHQUAKES WHICH OCCUR ON THE OCEAN FLOOR PRODUCE GIANT SEA WAVES**

Where is the focus found and what is it? **UNDERGROUND AND IT IS THE UNDERGROUND ORIGIN OF AN EARTHQUAKE**

Where is the epicenter found and what is it? **ON THE SURFACE AND IT IS WHERE EARTHQUAKE OR SEISMIC WAVES REACH FIRST...MOST OF THE VIOLENT SHAKING OCCURS HERE.**

How do you locate the epicenter of an earthquake? **THE INTERSECTION OF 3 CIRCLES DRAWN WHERE THE RADIUS = THE DISTANCE TO THE EPICENTER AND WHERE THE 3 CIRCLES INTERSECT...THAT IS THE EPICENTER**

Who invented the seismograph and in what year?**_JOHN MILNE 1893_**

What is the richter scale? **A SCALE USED TO CALCULATE THE STRENGTH OF AN EARTHQUAKE**