

Chapter 9 Volcanoes Test Study Guide: Geology 1P, Mr. Traeger

Name: _____

Period: _____

Date: _____

Section	Major Questions to be asked and/or tasked to be measured	Where do I find the information and/or where did we learn this?
9.1	<p><u>How and Where Volcanoes Form</u></p> <ul style="list-style-type: none"> ▪ What is magma and how does it form? ▪ Name and describe the 3 types of places where volcanoes form. ▪ How did the Hawaiian Islands and Yellowstone National Park form as part of the hot spot system? 	<ul style="list-style-type: none"> ▪ Section 9.1 Homework ▪ <i>Inside the Volcano</i> video notes ▪ <i>Why Do Some Volcanoes Go Boom?: The Conditions of Volcano Formation</i> notes and viscosity lab ▪ <i>How Volcanoes Work</i> website: http://www.geology.sdsu.edu/how_volcanoes_work/ ▪ Traeger's Online Chapter 9 PowerPoint notes ▪ Google Earth Volcano Tour ▪ Layered Earth program on classroom computers
9.2	<p><u>Magma and Erupted Materials</u></p> <ul style="list-style-type: none"> ▪ What are the types of magma? ▪ What do viscosity, silica content, and gas content have to do with the explosiveness of a volcano? ▪ What are the types of lava flows? ▪ What are the ash and rock fragments ejected from a volcano? 	<ul style="list-style-type: none"> ▪ Section 9.2 Homework ▪ <i>Inside the Volcano</i> video notes ▪ <i>Why Do Some Volcanoes Go Boom?: The Conditions of Volcano Formation</i> notes and viscosity lab ▪ <i>How Volcanoes Work</i> website: http://www.geology.sdsu.edu/how_volcanoes_work/ ▪ Traeger's Online Chapter 9 PowerPoint notes ▪ Google Earth Volcano Tour ▪ Layered Earth program on classroom computers
9.3	<p><u>Volcanic Landforms</u></p> <ul style="list-style-type: none"> ▪ What are the characteristics of shield volcanoes, cinder cones, and composite volcanoes? Where does each type form? Relate this to plate tectonics! ▪ What are the major volcanic hazards? ▪ What things do volcanologists look for when forecasting a volcanic eruption? ▪ How do calderas form? ▪ How do volcanoes relate to plate tectonics? 	<ul style="list-style-type: none"> ▪ Section 9.3 Homework ▪ <i>Inside the Volcano</i> video notes ▪ <i>Why Do Some Volcanoes Go Boom?: The Conditions of Volcano Formation</i> notes and viscosity lab ▪ <i>How Volcanoes Work</i> website: http://www.geology.sdsu.edu/how_volcanoes_work/ ▪ Traeger's Online Chapter 9 PowerPoint notes ▪ Google Earth Volcano Tour ▪ Predicting Volcanic Eruptions activity (We will do this on block day, 12/18/13.) ▪ Layered Earth program on classroom computers
9.4	<p><u>Extraterrestrial Volcanism</u></p> <ul style="list-style-type: none"> ▪ What planets and moons in the solar system exhibit signs of volcanism? ▪ What kinds of volcanism existed on the Moon, Mars, and Venus and continue to exist on the moon of Jupiter known as Io? ▪ What causes the volcanism on Io, a moon of Jupiter? 	<ul style="list-style-type: none"> ▪ Section 9.4 Homework ▪ <i>How Volcanoes Work</i> website: http://www.geology.sdsu.edu/how_volcanoes_work/ ▪ Traeger's Online Chapter 9 PowerPoint notes ▪ Layered Earth program on classroom computers