Answer the following questions using How Volcanoes Work web site:
Use the internet site: http://www.geology.sdsu.edu/how_volcanoes_work/
Or Google: How Volcanoes Work and select the SDSU "hit" It's usually #1 google site!
Or use the powerpoint attached

Complete the answers to these volcano questions.

From **Eruption Dynamics section**

1. What type of magma is associated with Basalt rocks?

2. What type of magma is associated with Rhyolite rocks?

3. What determines if a volcano is considered ACTIVE?

4. What is viscosity?

5. What are two primary factors that influence a magma's viscosity?

6. What controls a volcano's explosiveness?

7. What type of volcano is considered non-explosive? Provide two examples of non-explosive volcanic eruptions.

8. What type of volcano is considered explosive? Provide two examples of explosive volcanic eruptions.

From **Eruption Products section**

1. Describe the climate effects and consequences on earth of volcanic eruptions.

From **Volcanic Landforms section**

1. Describe the general characteristics (shape, magma type, viscosity of magma, and eruptive style) of a **shield volcano**. Provide two examples of shield volcanoes.

Shape

Magma type

Viscosity of magma

Eruptive style

Examples of Shield volcanoes

2. Describe the general characteristics (shape, magma type, viscosity of magma, and eruptive style) of a **strato volcano** (sometimes called a composite volcano). Provide two examples of strato volcanoes.

   Shape

   Magma type

   Viscosity of magma

   Eruptive style

   Examples of Shield volcanoes

From the **Eruption Types section**

1. Describe the general characteristics of a Hawaiian volcano eruption (a shield volcano).

From the **Historical Eruptions section**. (OR…you may need to GOOGLE search to answer)

1. Describe the eruption of Mt St. Helens in Washington state (a strato-volcano)

2. Describe Mt. Mazama's (a strato-volcano) catastrophic eruption resulting in Crater Lake, Oregon.

From **Volcanism on other Worlds section**

1. Describe the giant shield volcano features on MARS.