**Volcano Fold Booklet**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Tab 1 Volcanic Eruptions**

\_\_\_\_\_ T chart listing the differences between Explosive and

 Non-explosive Eruptions

\_\_\_\_\_ Description of how silica and water affect and eruption

**Tab 2 Lava and Volcanic Materials**

\_\_\_\_\_ Describe/ define, and draw a picture of blocky lava

\_\_\_\_\_ Describe/ define, and draw a picture of pahoehoe lava

\_\_\_\_\_ Describe/ define, and draw a picture of aa lava

\_\_\_\_\_ Describe/ define, and draw a picture of pillow lava

\_\_\_\_\_ Describe/ define, and draw a picture of lava blocks

\_\_\_\_\_ Describe/ define, and draw a picture of volcanic bombs

\_\_\_\_\_ Describe/ define, and draw a picture of lapilli

\_\_\_\_\_ Describe/ define, and draw a picture of volcanic ash

\_\_\_\_\_ Describe/ define, and draw a picture of pyroclastic flow

* Do your descriptions illustrate the differences between these?

**Tab 3 Volcano Shapes**

\_\_\_\_\_ Describe, in your own words, shield volcanos

\_\_\_\_\_ Draw a diagram of a shield volcano

\_\_\_\_\_ Describe, in your own words, cinder cone volcanoes

\_\_\_\_\_ Draw a diagram of a cinder cone volcanoes

\_\_\_\_\_ Describe, in your own words, composite volcanoes

\_\_\_\_\_ Draw a diagram of a composite volcanoes

**Tab 4 Volcanic Landforms**

\_\_\_\_\_ Describe how volcanic craters form

\_\_\_\_\_ Describe how calderas form

\_\_\_\_\_ Describe how Lava plateaus form

**Tab 5 Location of formation**

\_\_\_\_\_ Explain the Ring of Fire

\_\_\_\_\_ Draw and explain a divergent boundary/ rift zone

\_\_\_\_\_ Drawn and explain how subduction produces magma

\_\_\_\_\_ Describe two theories that explain hotspots

* Bonus: Explain Yellowstone’s Super volcano

**Tab 6 Predicting Eruptions**

\_\_\_\_\_ Compare extinct volcanoes

\_\_\_\_\_ Compare dormant volcanoes

\_\_\_\_\_ Compare active volcanoes

\_\_\_\_\_ Method 1 of studying and predicting eruptions

\_\_\_\_\_ Method 2 of studying and predicting eruptions

\_\_\_\_\_ Method 3 of studying and predicting eruptions

\_\_\_\_\_ Method 4 of studying and predicting eruptions

**Volcano Fold Booklet**

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Tab 1 Volcanic Eruptions**

\_\_\_\_\_ T chart listing the differences between Explosive and

 Non-explosive Eruptions

\_\_\_\_\_ Description of how silica and water affect and eruption

**Tab 2 Lava and Volcanic Materials**

\_\_\_\_\_ Describe/ define, and draw a picture of blocky lava

\_\_\_\_\_ Describe/ define, and draw a picture of pahoehoe lava

\_\_\_\_\_ Describe/ define, and draw a picture of aa lava

\_\_\_\_\_ Describe/ define, and draw a picture of pillow lava

\_\_\_\_\_ Describe/ define, and draw a picture of lava blocks

\_\_\_\_\_ Describe/ define, and draw a picture of volcanic bombs

\_\_\_\_\_ Describe/ define, and draw a picture of lapilli

\_\_\_\_\_ Describe/ define, and draw a picture of volcanic ash

\_\_\_\_\_ Describe/ define, and draw a picture of pyroclastic flow

* Do your descriptions illustrate the differences between these?

**Tab 3 Volcano Shapes**

\_\_\_\_\_ Describe, in your own words, shield volcanos

\_\_\_\_\_ Draw a diagram of a shield volcano

\_\_\_\_\_ Describe, in your own words, cinder cone volcanoes

\_\_\_\_\_ Draw a diagram of a cinder cone volcanoes

\_\_\_\_\_ Describe, in your own words, composite volcanoes

\_\_\_\_\_ Draw a diagram of a composite volcanoes

**Tab 4 Volcanic Landforms**

\_\_\_\_\_ Describe how volcanic craters form

\_\_\_\_\_ Describe how calderas form

\_\_\_\_\_ Describe how Lava plateaus form

**Tab 5 Location of formation**

\_\_\_\_\_ Explain the Ring of Fire

\_\_\_\_\_ Draw and explain a divergent boundary/ rift zone

\_\_\_\_\_ Drawn and explain how subduction produces magma

\_\_\_\_\_ Describe two theories that explain hotspots

* Bonus: Explain Yellowstone’s Super volcano

**Tab 6 Predicting Eruptions**

\_\_\_\_\_ Compare extinct volcanoes

\_\_\_\_\_ Compare dormant volcanoes

\_\_\_\_\_ Compare active volcanoes

\_\_\_\_\_ Method 1 of studying and predicting eruptions

\_\_\_\_\_ Method 2 of studying and predicting eruptions

\_\_\_\_\_ Method 3 of studying and predicting eruptions

\_\_\_\_\_ Method 4 of studying and predicting eruptions