**Earth Science Name:**

**Volcano Cyber Hunt Per: Date:**

***Directions:***

# Follow the links below to find out even more about volcanoes.

# **volcanoes.usgs.gov**

*Check out the latest U.S. volcano alerts.*

1. Which color and symbol represent the greatest threat? Which volcanoes surrounding the North Pacific (if any) are currently assigned this level of alert?
2. What is the color and status of
   1. the Cascade Range (Mt. St. Helens, Mt. Rainier, etc)?
   2. Yellowstone?
   3. Kilauea?
   4. Volcanoes in Alaska?

<http://www.volcanodiscovery.com/faq/largest_volcano.html>

1. What is the name of the largest volcano on Earth? What type of volcano is it?

**pubs.usgs.gov/fs/2006/3014**

*Download the latest “Volcano Hazards – A National Threat” Fact Sheet*

1. Examine the map. What do the gray and dark-gray colors represent?
2. What percent of the world’s active volcanoes are located in the U.S.? (or how many active and dormant volcanoes are in the U.S.?
3. What volcano do they consider one of the nation’s most dangerous? How many people live in areas that have been buried by this volcano in the past?

<http://volcanoes.usgs.gov/hazards/index.php>

*Complete the following table.*

|  |  |
| --- | --- |
| *Name of Volcanic Hazard* | *Interesting Fact about this Hazard (Click in diagram or below diagram)* |
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|  |  |
|  |  |
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<http://volcanoes.usgs.gov/yvo/publications/2005/docudrama.php>

*Let’s find out some information about Yellowstone.*

1. What is a “supervolcano”?
2. What is the chance of another catastrophic volcanic eruption at Yellowstone?

[www.volcanolive.com/active2.html](http://www.volcanolive.com/active2.html)

*Let’s look at some volcanoes around the world.*

1. How many volcanoes are on the “World’s Most Active Volcanoes” list?
2. What volcano is at the top of the list? Where is it? How long has it been erupting?
3. Are any of these volcanoes in the United States? Where? How long have they been erupting?

[www.volcanolive.com/volcanologist2.html](http://www.volcanolive.com/volcanologist2.html)

1. What do volcanologists do?
2. What are topics volcanologists study?

**geology.com/articles/active-volcanoes-solar-system.shtml**

*Earth is not the only object in our solar system with volcanoes…*

1. Where is the largest volcano in our solar system found? What is it called?
2. What is a “cryovolcano”?
3. What is the most volcanically active body in our solar system?

*Any other things you want to know about volcanoes (like what would happen if you stuck your hand in hot lava??)? Google your questions and see what you find out. Write your question and answer here for some extra credit.*