

Flood Research - Internet Sites

I. Open your web browser (Explorer or Netscape)

Open _____

Open _____

Click on _____, Click on _____

Directions: In your science journal, answer the following questions:

1. How do flash floods occur?
2. What is an urban flood?
3. What are the flash flood safety rules (at least 4)?

II. Open _____

Open _____

4. Why are flash floods dangerous?
5. What else did you learn here (**read** the paragraphs and **summarize**)?
Open _____
6. Describe the 4 flood types.
Open _____
7. What is the difference between a watch, an advisory, and a warning?
8. Look at the map of the United States at the bottom of this site.
Where are the current flood warnings for today?
Open _____
9. What should you do if you are outdoors during a flash flood warning?
10. What should you do if you are in a car during a flood?

III. Open _____ **Good Luck!**

11. Check your answers. How did you do? Record your score.

CHALLENGE: Open _____ and follow the directions for the map of the United States.

Earthquake Research - Internet Sites

I. Open your web browser (Explorer or Netscape)

Open _____

Open _____

Open _____

Open _____

Directions: In your science journal, answer the following questions:

1. What are earthquakes?

2. How long do earthquakes usually last?

3. How is the intensity of an earthquake measured?

What is the difference between a magnitude 2.0 and a magnitude 7.0 earthquake?

4. What are earthquakes also known as?

II. Open _____

5. Is there a connection between earthquakes and the weather?

6. Can we prevent earthquakes from happening?

Open _____

Show your calculations for all 5 problems in your journal. What was your score? _____/5

Open _____ Scroll to _____

7. Describe the damage which would occur during a magnitude 4.9-5.4 earthquake.

Open _____

8. Describe the most interesting (to you) earthquake legend.

Earthquake Internet Research Sheet

Open _____

1. Name three (3) active volcanoes in Hawaii.
2. How many earthquakes occur beneath the island of Hawaii? Why?
3. When did Hawaii's most destructive earthquake occur? What was its intensity?

Go to ***Map of Current Earthquakes***

4. How many earthquakes have occurred in the last two hours?

Go ***Back***

Go to ***Kilauea***

5. When did Kilauea first erupt? Is it an active volcano?

Go to ***Mauna Loa***

6. What makes Mauna Loa unique?
7. How many times has Mauna Loa erupted?
8. What does Mauna Loa mean?

Go to ***Volcanic Hazards***

9. List some of the hazards associated with volcanoes.

Name _____
Date _____

Volcano World

<http://volcano.und.edu/vw.html>

INTERNET WORK

- I. Go to URL (see above)
- II. Go to **Volcanoes**
- III. Go to **Earth's Volcanoes**
- IV. Go to **North America**

QUESTIONS

1. How many volcanoes are in Arizona? _____
2. (Go to **Sunset Crater**)
Where is Sunset Crater located? (latitude/longitude)

3. When did Sunset Crater last erupt?
- V. Go to **Volcano World**
4. What is the name of the volcano of the week?
Where is it located? (Go to **VW**)
- VI. Go to **Teaching and Learning**
Go to **Types of Volcanoes**
5. How many different types of volcanoes are there?
6. What is a shield volcano?
- VII. Go to **Types of Volcanoes** or **Back**
- VIII. Go to **Ask a Volcanologist**
7. Pick a question and write down the answer, then check yours with the actual answer.

Name _____

Date _____

Earthquakes Video Listening Guide

Every year there are _____ of earthquakes all around the world.

Earthquakes happen when the big pieces of the earth's _____, the _____, move a little.

Sometimes they go _____, _____ or sometimes they up and _____.

The reason we have earthquakes is because the earth's surface is pretty _____.

The earth's surface is floating on _____ rock.

The earth's surface is broken up into _____ plates.

As the plates move, they cause _____, and the cracks are called _____.

Scientists _____ the movement of the earth's surface with a seismometer.

The Richter _____ is one way to compare the size of one earthquake to the size of another.

Name _____

Date _____

Volcano!

Video Listening Guide

In the past 1,000 years, volcanoes have claimed more than _____ lives.

The name of the Arizona State University volcanologist is _____.

In the past five decades, nearly _____ scientists have died in eruptions. Volcanology is a young and dangerous _____.

We live on a fiery _____ . The earth's inner core reaches temperatures of _____ degrees Fahrenheit.

Molten rock, or _____ rises to the earth's surface. When magma bursts through the earth's crust, it becomes _____.

What happened in 79 A.D.?

What happened in 1980?

A volcano need not explode to be _____ .
Pyroclastic flows are unpredictable and _____ .

On the back of this paper, write down **three** things you learned from this video that you did not know before.