

NOTES: Montana EQs, etc.

name: _____

Shadow Zone (Every earthquake has one!)

Area on the other side of the world (opposite the epicenter) that _____
_____ due to _____

1. Helena Quakes of 1935

October 12: magnitude was _____ October 18: _____ October 31: _____

Only _____

Helena Sr. High was destroyed. It had recently been built for about \$ _____. It was located where Helena Middle School is today.

At the time Helena Sr. High had _____ to _____ students.

Where did students attend school after the quakes destroyed the high school?

The Helena Valley is a “graben”. What is a graben? (text page 317, honors page 306)

2. The Hebgen Lake Earthquake of 1959

Date: _____ Magnitude was _____

Caused the _____ → _____ deaths

Landslide dammed the _____ River, causing _____ to form.

How did the Army Corp of Engineers prevent catastrophic flooding in Ennis?

Where is the Montana Earthquake Studies Office located? _____

3. Earthquake of July 26, 2005 at 10:08:35 pm

Magnitude: _____ Depth: _____

Location of epicenter: _____

How did it impact the Helena Public Schools? _____

4. Earthquake Insurance

In California, _____ % of homeowners do not have EQ insurance.

In Oakland . . .

_____ per year for a \$300,000 home

includes a _____ % deductible (\$46,000)

Mariana District of San Francisco . . .

_____ per year for a \$500,000 home

includes a _____ % deductible (\$75,000)

Helena, Montana

_____ per year for a \$200,000 home

includes a _____ % deductible (\$20,000)

Test tomorrow . . . 50 questions; multiple choice . . . topics include the following:

- Weathering and Erosion
- Sedimentary Rocks
- Metamorphic Rocks
- The Rock Cycle (10 questions out of the 50 on the test)
- Principles of Geology
- Earthquakes

Study these . . .

- Notebook entries since Feb. 27
- Notes: Weathering and Erosion (handout)
- Worksheet: Weathering and Erosion
- Notes: Weathering, Erosion, etc. (handout)
- Notes: Sedimentary Rocks (handout)
- Rock Cycle (WS)
- Principles of Geol. (WS)
- NOTES Handout: Earthquakes (handout)
- Notes: Earthquake Hazards (handout)
- Notes: Montana Earthquakes (handout)

Several review resources are posted: www.formontana.net/benson.html (select **Unit 7**). If you do not understand the rock cycle, watch the Rock Cycle Pencast that is posted.