



Name: _____ #: _____

Date: _____

Section: _____ HR: _____

Chapter 2 Section 4 Study Guide: Monitoring Faults

Discover (page 78)

Can Stress Be Measured?

Think It Over

Drawing Conclusions

How is the tissue like the ground along a fault? How might measuring stress in the ground help in predicting an earthquake?

Why is the town of Parkfield, California so fascinating to Geologists?

Devices that Monitor Faults

How does a creep meter work?

How does a laser-ranging device work?

Figure 26 Comparing & Contrasting (page 79)

How are a laser-ranging device and a creep meter (figure 25) similar? How are they different?

What type of ground movement does a tiltmeter measure? How does it work?

How are satellites used to measure ground movement?

Checkpoint (page 80)

What do fault-monitoring instruments measure?

Guide For Reading

How do geologists monitor faults?

Monitoring Risk in the United States

Figure 28 Interpreting Maps (page 81)

Where are damaging earthquakes least likely to occur? Most likely to occur?

Why are earthquakes most likely to occur in the areas that you listed above?

Guide For Reading

How do geologists determine earthquake risk?
