Earthquakes and Volcanoes/ Protecting Ecosystems Study Guide

Vocabulary to know

-Core

-Seismograph

-Earthquake

-Epicenter

-Fault

-Focus

-Crust

-Mantle

-Plates

Be able to label different parts of a Volcano. Page C19 will have the volcano. Know where the following are. –lava, magma chamber, volcano, crater, magma, vent

What is earth’s hottest layer?

Earth’s plates move slowly across Earths surface on a thin layer of partly melted \_\_\_\_\_\_\_\_\_\_\_\_\_?

What does a seismograph, Mercalli and Richter scale do?

Earthquakes occur along a \_\_\_\_\_\_\_\_\_\_\_.

What do volcanoes form as plates move apart?

What forms different kinds of volcanic mountains?

Which would make the better model for showing what happens during an earthquake- two sponges rubbing together or a bowl of gelatin. Why?

Which would make a better model for showing a volcano erupting- a lit firecracker or a shaken can of soda? Why?

**Ecosystem**

Vocab to know

-Conservation

-Preservation

-Reclamation

When the bodies of dead animal decompose, they usually do what?

If an erupting volcano kills all nearby plants, the first living organisms to establish themselves will probably be what?

A new carpet pad made from scraps of old carpets is an example of what?

If fire destroys a forest, new plants will grow. This process is called what?

Where would you find a forest that is protected by law to preserve the ecosystem?

Know the difference between recycling, reusing, and reducing.

Compare how people use two different ecosystems as resources.

How could you collect data on the amount of rain that falls every day for a week in your community? What tools and graph would you use?

Scientists consider all of the Earth’s ecosystems to be interconnected. Give two or more examples that show why this statement is true.

Suppose your aunt was planning to throw away a large box that used to hold fruits. List THREE things you could do with the box to help conserve natural resources.