**Test Date*:\_\_\_\_\_\_\_\_\_\_\_*** ***Name: \_\_\_\_\_\_\_\_\_\_\_***

***Science***

**Unit 10 Study Guide**

**Vocabulary**

Earthquake—the plates under the ground shake and the strength of the quake can be measured on a Richter Scale.

Mountain—Landform where the land is much higher than the land around it.

Weathering—the breaking down of rocks into smaller pieces

Erosion—tiny rocks and sand that move toward a flowing river or body of water

Flood—a large amount of water that covers normally dry land

Volcano—a large crater in the ground is an effect of a rapid change on Earth. It also adds new land once it erupts (magma-inside the mountain, lava-outside the mountain)

Canyon—straight, steep walls or sides and usually has a river at the bottom.

Valley—sloping sides between two mountains

**Facts**

In a model of a glacier, sand will scratch the clay when it is rubbed against it.

In a model of a glacier, an ice cube rubbed across the clay will move the clay to the side.

The Earth has seasons and this makes the rocks weak. This happens with the weather changes between hot and cold.

The Earth’s crust is made of solid rock.

You can tell the difference in landforms because of how they form and how high they go up.

Things that change the shape of the land by carrying soil: moving water (rivers), glaciers

When a volcano erupts, the mountains, hills, and plateaus could be covered with ash.

The skyline of a city is not a landform because a landform has a shape that happens naturally. The buildings in a city are made by people and do not happen naturally.

Examine the food chain.

Be able to explain:

* What the cactus gets energy from
* How the snake gets energy
* What happens if the mouse population increases
* What happens if the hawk populations decrease
* Describe the role of the snake (ex. Consumer, eats mice, gives energy to the hawk)

Compare the schoolyard ecosystem to an aquatic (water) ecosystem.

* Both have living and nonliving things
* Name some living and nonliving things in both ecosystems.

How would building a shopping center or subdivision affect a forest ecosystem?

* Trees might be used to build the stores or houses
* The land will be used to build the store or homes.
* Trees and other producers will be destroyed to clear the land.
* Trees provide homes and food for some animals, so those animals will have to relocate/move.
* Animals may die because they won’t be able to find food or shelter.

Students will need to be able to apply what they have learned to answer questions. They will also need to interpret information from pictures, graphs, and charts.