Test 5 Study Page • Summary

Name: _____ Grade: _____

The earth consists of three major components:

atmosphere | hydrosphere | geosphere

The geosphere is the rocky part of the earth, but it is not just what we see on the exterior. It consists of three layers:

The crust is the most external layer of the earth. It forms the continents, mountains and the ocean floor. It is the thinnest layer and has the lowest temperature.

The mantle is the layer following the crust. It is 2,900 kilometers thick. Its temperature can be up to 3,000 ºC. The asthenosphere is a liquid area of the mantle near the crust.

The core is the deepest layer. It is 3,500 kilometers thick, and its temperature reaches 6,000 ºC. The inner core is solid, and the outer core is liquid.

The lithosphere is the external layer of the earth. It consists of the crust and the upper part of the mantle. It is divided into tectonic plates.

The tectonic plates of the lithosphere move in different ways, which creates natural phenomena such as tremors, tsunamis and volcanoes.

The movements of the lithosphere can cause natural disasters that seriously affect human beings, so it is important that each person is informed and prepared to act in any emergency.

In case of an emergency, it is important to:

- Identify risks.
- Stay calm.
- Not act impulsively.
- Pay attention to the information given by the authorities.

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Test 5 Study Page • Review

Remove, answer, and glue in your notebook.

Section 1

1. Complete the diagram.

2. Describe each layer of the earth.

Crust: _____

_____

_____

Mantle: _____

_____

_____

Core: _____

_____

_____

Section 2

3. Match each concept with the correct description.

Tectonic plates	Exact point where a tremor originates.
Lithosphere	Point on the surface of the earth located directly above the hypocenter.
Earthquake	Movement on the surface of the earth due to the tectonic plates in the lithosphere.
Tsunami	Giant wave that can occur after a tremor in the oceanic crust.
Hypocenter	Upper part of the earth consisting of the crust and the upper part of the mantle.
Epicenter	Group of plates forming the lithosphere.

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