

Layers of Earth

DIGITAL NOTEBOOK

Click on the activity below to be taken to that slide.

TRUE OR
FALSE

Q & A

JIGSAW
PUZZLE

FILL IN
THE BLANK

VOCAB
WORDS

RESEARCH

SHORT
RESPONSE

MAZE
PHRASE



TRUE OR FALSE



Directions: Drag the answers into the correct area based on the statement.

TRI

1

3

FALSE

The Earth's core is divided into four different parts.

QUESTIONS



Directions: Drag the answers to the correct area.

QUESTION

1 What is the thin outer layer of the Earth called?

2 The crust is the _____ layer because it is exposed to the atmosphere.

3 What forms the continents?

4 The movement of the _____ can cause volcanoes and earthquakes.

5 The lithosphere is broken up into slow moving _____ plates.

6 Below the asthenosphere is the _____.

ANSWER

Crust

DRAG ANSWER HERE

JIGSAW PUZZLE



Directions: Drag and arrange the puzzle pieces to form a picture.

THE FIRST FEW PIECES HAVE ALREADY BEEN PLACED FOR YOU. PLEASE DO NOT MOVE THEM.



FILL IN THE BLANK

Directions: Drag the correct word to complete the sentence.

There are four main layers of the Earth; the crust, mantle, inner core and outer core. When Earth was made millions of years ago, it was extremely hot. Over time, the outside layer cooled down and the outer crust turned hard. The inside of the Earth remained hot. The crust is the thin, outer layer of the Earth where all life exists including humans, animals, sea life and plants. The crust contains sections, called plates. The temperature of the crust increases with depth due to geothermal energy. Geothermal energy comes from the formation of the planet and from radioactive decay of materials. The crust is the coldest layer because it is exposed to the atmosphere. The crust is composed of low-density material such as igneous, metamorphic, and sedimentary rocks.

WORD BANK

hot

plates

rocks

humans

energy

outer

crust

decay

VOCABULARY

Directions: Drag the correct word to match the definition.

DEFINITION

1 Comes from the formation of the planet and from radioactive decay of materials

2 Dark, fine-grained rock

3 Broken pieces made of the Earth's crust or lithosphere

4 The region of the Earth's atmosphere above the stratosphere and below the thermosphere

5 The envelope of gases surrounding the Earth

6 Thin, outer layer of the Earth

WORD

1 Geothermal Energy

2 DRAG ANSWER HERE

3 DRAG ANSWER HERE

4 DRAG ANSWER HERE

5 DRAG ANSWER HERE

6 DRAG ANSWER HERE

RESEARCH

Directions: Research the keywords below related to Layers of Earth and write at least three facts about them.

TECTONIC PLATES

Insert photo here

Type here:

GEO THERMAL ENERGY

Insert photo here

Type here:

ASTHENO- SPHERE

Insert photo here

Type here:

TYPE YOUR ANSWER



Directions: Type your answer below each question.

1

Why are now are the Earth layers different?

Type here



3

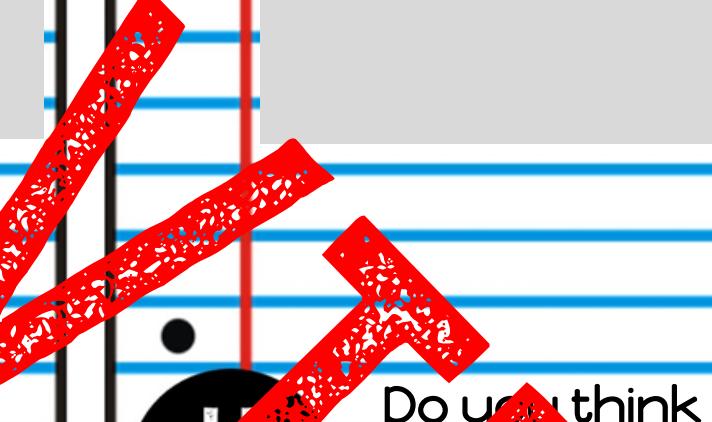
List the layers of Earth from the center out.

Type here

2

In your own words, describe how the Earth's layers were formed.

Type here



4

Do you think natural disasters are determined by Earth's layers, human action, or both? Explain.

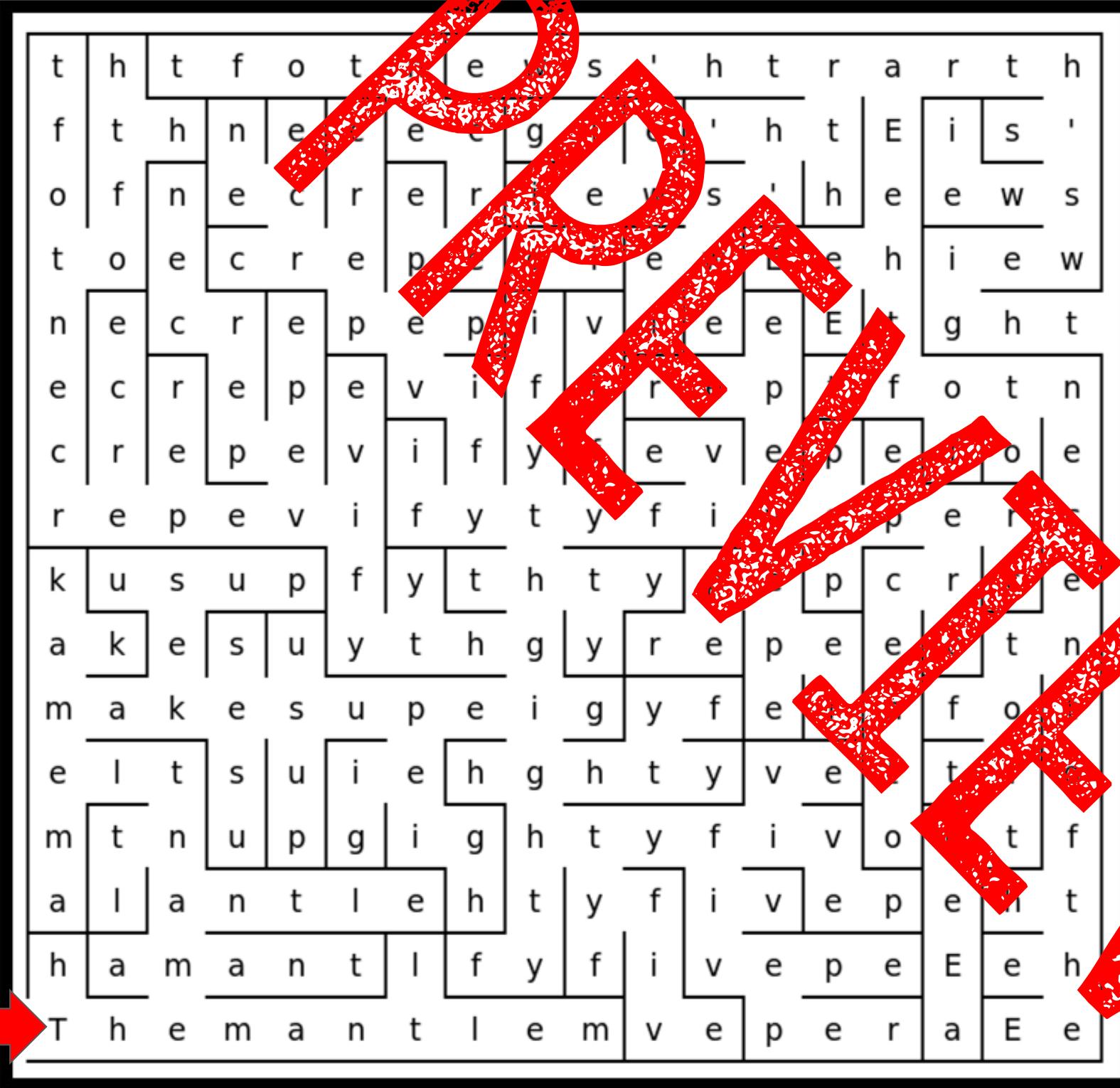
Type here



MAZE



Directions: Type the phrase found in the maze.



Type the phrase here: