

Reading Lesson Plan

Title: Structure of the earth.

Instructor: Sunny	Age And Level: Intermediate	Number Of Students: more than 6	Length: 25-30 min
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Materials:

PPT slides, white board, board makers, OHP films, chocolates, scotch tape, name tag, work-sheets.

Aims:

Ss will know how to find out inside the earth.

Ss will learn about structure of the earth and can make it.

Ss can understand the reason why an earthquake occurs.

Language Skills:

Listening: Share some thoughts with their friends.

Reading: Read today's topic.

Speaking: Answer the questions.

Writing: Activity work-sheet.

Language systems:

Phonology: Vocabulary preview.

Lexis: Crust, Mantle, Outer core, Inner core, Earthquake, Solid...

Discourse: Read article.

Assumptions:

Ss already learned about the states of matter.

Ss know natural of the seismic wave.

Anticipated Errors And Solutions:

Ss may not understand the structure of the earth when Ss read it.

→ Solution: T will explain and compare it by using a boiled egg.

Ss may have difficulty in doing the comprehension question work-sheets.

→ Solution: T will let Ss do themselves first and share it with their friends. Also, we all check it together.

It may take lots of time to make a party hat in Activity 1.

→ Solution: If Ss don't have time to make it, give Ss a party hat that was already made by a T.

References:

<https://www.youtube.com/watch?v=b8YPbnxrvOY>

<http://terms.naver.com/entry.nhn?docId=1023089&cid=47316&categoryId=47316>

<http://terms.naver.com/entry.nhn?docId=1524061&cid=47341&categoryId=47341>

www.google.co.kr, www.naver.com.- search image.


Time	Interaction	Details	Purpose
3 min	T-S	<p>Greeting</p> <p>T: Hello, everyone. How are you doing today?</p> <p>Eliciting</p> <p>[T will show a short video related to the birth of the earth.]</p> <p>T: We are living in the earth so we can see everything that makes up the surface of the earth. But we can't see the inside of the earth. Right? Don't you wonder what's inside the earth?</p> <p>S: answer the question.</p> <p>T: Many scientists have been exploring it and today, I will tell you what's inside the earth. Then, what do we have to know before we explore the inside of the earth?</p> <p>T: Let's match the word with its meaning together.</p> <p>Pre-teach: Vocabulary preview.</p>	Lead in Introduce the topic.
5 min	T-S	<p>Today's topic: Inside the earth.</p> <p>T will ask Qs to Ss before reading an article.</p> <p>CCQ:</p> <ol style="list-style-type: none"> Do you know how old the earth is? - It's over 4.5billion years old. How did the scientist find out inside the earth? <p>Do you have a good idea about it?</p>	Presentation: familiarization of today's topic

5 min	T-S S-S	<p>inside of the earth and inside of the egg. Then, draw it.]</p> <p>So now, we will make the structure of the earth individually.</p> <p><u>Activity1: Make the structure of the earth.</u></p> <p>[Materials: OHP films, name tag, scotch tape, name pen, chocolates]</p> <ol style="list-style-type: none"> 1. Make a party hat by using OHP film. 2. Divide into 4 sections in the party hat. 3. Put the name tag on the hat. 4. Fill the colored chocolates in the hat. 5. Fill in the blanks in your work-sheet. <p>ICQ:</p> <ol style="list-style-type: none"> 1. How many sections do you have to divide? 2. What will you fill in the hat? 	<p>Practice:</p> <p>Retention & memory</p> <p>Ask & answer</p> <p>This activity will help Ss memorize more memorable and Ss will know what the largest volume of layer inside earth is.</p>
5min	S-S	<p>Activity2: Reading comprehension and summary.</p> <ol style="list-style-type: none"> 1. T will give Ss 5 minutes to answer the Qs. 2. We will share it together. 	<p>Production:</p> <p>Review</p> <p>Ss can organize concepts again.</p>

1 min	T-S	Closing T: Today, we learned about the structure of the earth. Also, we got to know when earthquakes occur. Did you enjoy it? Okay, Thank you for your participation and good job today. See you next time.	Closing
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What's inside of the earth?

- 1. Write the methods that can find out inside the earth.**

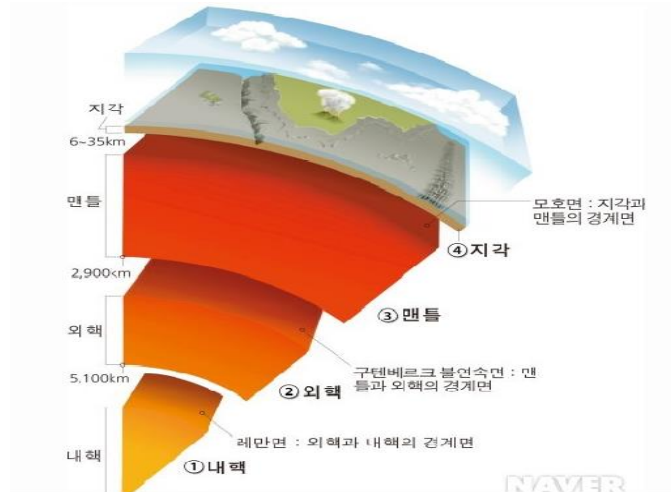


- 2. Inside the earth.**

About 4.5 billion years ago, the earth was created from a cloud of dust. The earth is a big ball with several layers. The surface of the earth is a very thin layer of rock. This is called the crust. Beneath the surface, there is the mantle. It is a thick layer of hot rock like wet clay. The mantle flows very slowly. Beneath the mantle, there is the core of the earth. The outer core is very hot liquid rock. The liquid rock is also moving. The inner core is solid.

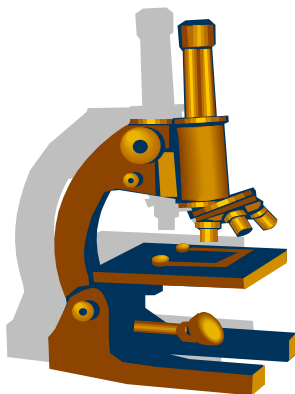


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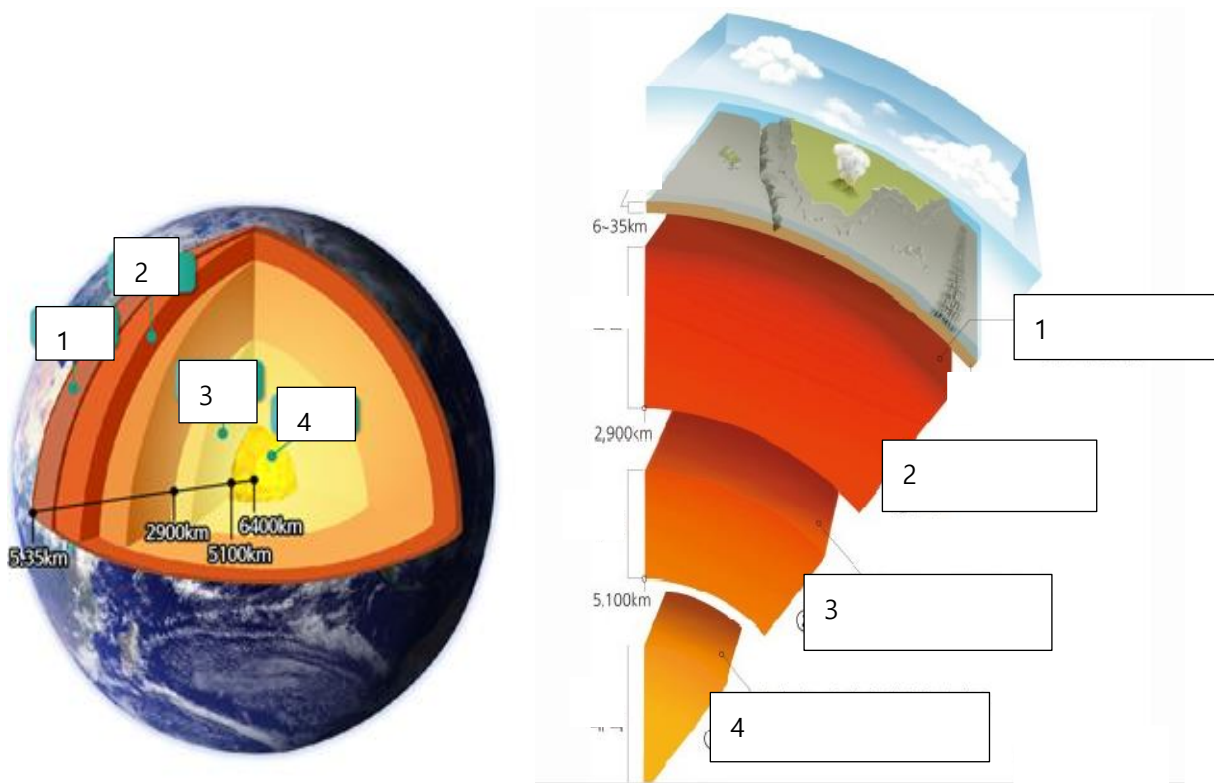
An earthquake is a sudden shaking of the rock that makes up the earth's crust. Earthquakes happen when the pieces of the crust bump into each other. When earthquakes occur, the land shakes and cracks apart. Although earthquakes happen all the time on earth, we don't feel most of them because they are so small.

3. Draw inside of the boiled egg.



4. Fill in the blanks.

crust	outer core	inner core	mantle
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Q1. What is the largest volume of layer inside Earth?

A: _____

Q2. Arrange the layers in order of the largest volume.

A: _____

5. Think and answer it.

1. How old is the earth?

- 1) 4.5 thousand years old.
- 2) 4.5 million years old.
- 3) 4.5 billion years old.

2. Which of the following is true about the mantle?

- 1) The mantle flows fast.
- 2) The mantle is under the outer core.
- 3) The mantle is a thick layer of hot rock.

3. Which of the following is wrong about the outer core?

- 1) The outer core is under the mantle.
- 2) The outer core is very hot solid rock.
- 3) The outer core is also moving.

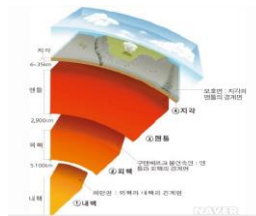
4. Which of the following is true about earthquakes?

- 1) Earthquakes happen twice a year.
- 2) An earthquake is a sudden shaking of the rock that makes up the crust.
- 3) An earthquake is a sudden shaking of the water that makes up the crust.

5. When do earthquakes happen?

6. Summary.

- Fill in the blanks with the correct words.



The surface of the earth is a very thin layer of rock. This is called the 1._____.

Beneath the surface, there is the 2._____. The outer core is very hot 3._____ rock. The inner core is 4._____.

An 5._____ is a sudden shaking of the rock that makes up the earth's crust. It happens when the pieces of the crust bump into each other.

mantle solid liquid crust earthquake

Reading lesson plan

What's inside the earth?

The birth of the earth:

<https://www.youtube.com/watch?v=b8YPbnxrvOY>

Vocabulary preview

1. _____: flowing like water.
2. _____: firm, hard, or compact in substance
3. _____: the central or the most essential part of anything

a. Solid b. Core c. Liquid

Vocabulary preview

1. **c. Liquid**: flowing like water.
2. **a. Solid**: firm, hard, or compact in substance
3. **b. Core**: the central, the most essential part of anything

a. Solid b. Core c. Liquid

Survey methods of inside the earth.

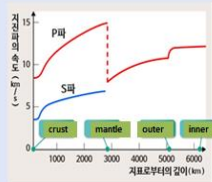
Direct method:

1. Drilling investigation.
2. Volcanic products.



Indirect method:

- Analysis of the seismic wave.



Inside the earth.

About 4.5 billion years ago, the earth was created from a cloud of dust. The earth is a big ball with several layers.

The surface of the earth is a very thin layer of rock. This is called the **crust**.

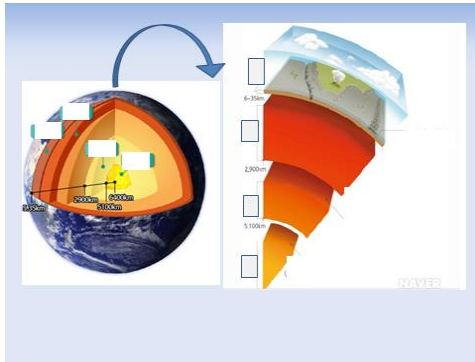
Beneath the surface, there is the **mantle**. It is a thick layer of hot rock like wet clay. The mantle flows very slowly.

Beneath the mantle, there is the core of the earth. The **outer core** is very hot liquid rock. The liquid rock is also moving. The **inner core** is solid.

An **earthquake** is a sudden shaking of the rock that makes up the earth's **crust**.

Earthquakes happen when the pieces of the **crust** bump into each other. When earthquakes occur, the land shakes and cracks apart.

Although earthquakes happen all the time on earth, we don't feel most of them because they are so small.



Make the structure of the earth.

1. Make a party hat by using OHP film.
2. Divide into 4 sections in the party hat.
3. Put the name tag on the hat.
4. Fill the colored chocolates in the hat.
5. Fill in the blank in your work-sheet.

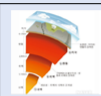
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- 2) An earthquake is a sudden shaking of the rock that makes up the crust.
- 3) An earthquake is a sudden shaking of the water that makes up the crust.

5. When do earthquakes happen?

- Earthquakes happen when the pieces of the crust bump into each other.

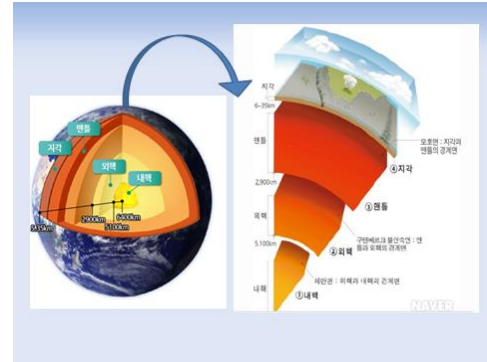
Summary



The surface of the earth is a very thin layer of rock. This is called the 1. crust.
Beneath the surface, there is the 2. mantle. The outer core is very hot 3. liquid rock. The inner core is 4. solid.

An 5. earthquake is a sudden shaking of the rock that makes up the earth's crust. It happens when the pieces of the crust bump into each other.

mantle solid liquid crust earthquake



1. Think and answer it.

1. How old is the earth?

- 1) 4.5 thousand years old.
- 2) 4.5 million years old.
- 3) 4.5 billion years old.

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Summary



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mantle solid liquid crust earthquake