

## Earth's Layers

**WebQuest Description:** This Web Quest will allow students to learn about the Earth's layers. You will find information on the Earth's crust, mantle, outer core, and inner core. We will also discuss the features of each layer of earth.

**Grade Level:** 3-5

**Curriculum:** Science

**Keywords:** Earth, crust, core, inner core, outer core, mantle

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### Introduction

The Earth is made of many different and distinct layers. The deeper layers are composed of heavier materials; they are hotter, denser and under much greater pressure than the outer layers. No matter who you are or where you live in the world, we all belong to planet Earth. The Earth is the third planet from the sun. It takes 365 days for the Earth to rotate (circle) around the sun one time. In this web quest you will explore the layers of the Earth's interior (inside) and you will discover what each layer is made of. No matter who you are or where you live in the world, we all belong to planet Earth. The Earth is the third planet from the sun. It takes 365 days for the Earth to rotate (circle) around the sun one time. In this web quest you will explore the layers of the Earth's interior (inside) and you will discover what each layer is made of.

### Tasks

Your mission today is to explore the layers of the earth online and to be able to define each layer throughout the earth. It is important to know these layers because we do live on earth. It helps us understand the origins of the earth and how some things like plate tectonics, volcanoes, oceans and the atmosphere came to be. Pretend that you are a geologist, a person who studies the earth. Your goal is to choose a layer of the earth and act like you are writing to a very important person who wants to know more about it.

### Process

**PLEASE READ ALL DIRECTIONS CAREFULLY**

Step 1) Watch the video about the Earth's Layers provided below.

Step 2) You will choose one of the layers to talk about in a paper.

Step 3) Research your layer of the earth and why it is so important to us. Keep in mind the websites that you use throughout and write them down.

Step 4) Go to <http://www.readwritethink.org/classroom-resources/student-interactives/essay-30063.html> and fill this chart out.

Step 5) You will need to print out a copy of this for a review from your peers.

Step 6) Once printed, find a partner that you want to work with and look at each others papers. If you have any comments then please tell them and write them down. Peer feedback is important!

Step 7) Once you have had a peer review, bring your draft up to me and I will sign off on this.

Placeholder text consisting of multiple lines of empty space.

## Evaluation

On this web-quest you will be evaluated on the following areas: Correct information for the given layer  
Print out of essay  
Peer Review  
Teacher Review  
Please read rubric carefully!

Category and Score					Score
				Total Score	

## Conclusion

Congratulations you've completed your web quest on the Layers of the Earth's Interior!

## Teacher Page

This web quest is designed to teach 5th grade students about the layers of Earth's interior. It includes key vocabulary students need to know in addressing this content. Also, this is a web-quest for students to be able to write a paper on a layer of the earth. This allows them to gain skills in writing too. There are visuals, notes, and really good resources in this site. The activity is designed to address all language and academic levels in the classroom.

### Standards

SC.O.5.2.18-describe the layers of the earth and their various features

### Credits

"Learn About Planet Earth - Structure of Earth." YouTube. YouTube, 21 June 2011. Web. 10 Dec. 2013.

"Essay Map." Readwritethink.org. N.p., n.d. Web. 10 Dec. 2013

### Other