

**Plan of the Day:**

**1a) 12B class Astronomy Test**

**1b) Inside Earth Project:**

Go over Rubric

Go over Pie Chart of Participation

**2) View Continents Adrift video**

Take Notes!

Information useful to project

**3) Start research for project using the Inside Earth text.**

Discuss how to divide tasks.

Write who does what under tasks.

Research for INSIDE EARTH project:

1) YOUR text - The Dynamic Earth:

Unit 4 Lesson 1 (pages 192-198)

2) Classroom Resources:

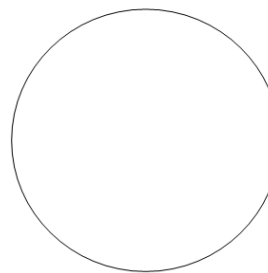
a) Inside Earth text, Chapter 1

b) Visual Fact Finder: Planet Earth, pages 14-15

Name		Class		Date	
Inside the Earth 3D Model - Group Project Rubric					
	4 (x 4)	3 (x 3.4)	2 (x 3)	1 (x 2.6)	
Earth's Layers (x 2)	The Earth's four (4) layers are clearly and accurately labeled. Each layer's relative thickness is accurately represented in the model.	Three of the four (4) layers of the Earth are clearly and accurately labeled. Each layer's relative thickness is reasonably well represented in the model.	Only two of the four (4) layers of the Earth are clearly labeled and accurately identified. Each layer's relative thickness is somewhat accurately represented in the model.	Only one of the four (4) layers of the Earth is clearly labeled and accurately identified. None of the layers' relative thickness is accurately represented in the model.	
Temperature and Pressure (x 2)	The temperature and pressure of each of the Earth's layers are represented using both color and text.	The temperature and pressure of three of the four layers of the Earth are represented using both color and text.	The temperature and pressure of at least two of the four layers of the Earth are represented using either color or text.	The temperature and pressure of at least one of the four layers of the Earth is represented using either color or text.	
Layer Composition and Function (x 2)	The important components of each layer are clearly identified. The function of each layer is identified and related to its composition.	The important components of three of the Earth's four layers are clearly identified. The function of three of the Earth's four layers are related to its composition.	The important components of two of the Earth's four layers are clearly identified. The function of two of the Earth's four layers are identified and related to its composition.	The important components of only one of the Earth's four layers is clearly identified. The function of only one of the Earth's four layers is identified and related to its composition.	
Score					

**Inside the Earth 3D Model - Pie Chart of Participation**

Complete the following pie chart once the project has been completed. Assess how much of the project is your own effort and how much is the effort of each group member. Be honest, fair and accurate in your assessment. I will be making my own observations.



**Individual Task Responsibilities**

Name: \_\_\_\_\_  
 Task Assigned: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Task Assigned: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Task Assigned: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Task Assigned: \_\_\_\_\_

Dec 9-9:31 AM

**12B ONLY: You are taking your Astronomy Unit Test**

Place EVERYTHING except a pencil, eraser and pencil sharpener (if you have one) on the  
 1) FLOOR UNDER YOUR TABLE or  
 2) COUNTER BEHIND YOUR TABLE.

**NO ONE TALKS FOR ANY REASON UNTIL EVERY TEST HAS BEEN COLLECTED!**

Dec 6-8:30 AM

**12B ONLY: PLACE YOUR COMPLETED TEST IN THE TAN MORIN BIN!**

Then, **WORK SILENTLY** by:

READING Unit 1 Lesson 1 in The Dynamic Earth

ANSWERING questions 1-25 (omit 12 & 18)

READING Unit 4 Lesson 1 (pages 192-198)

ANSWERING questions 1-15 ALL



Dec 9-6:52 AM

## **12B ONLY:**

Once EVERYONE is done with the test:

- 1) Each group must decide who is responsible for each task required to complete your group's **Inside Earth 3D model** project. (Complete the Task Assignment list.)
- 2) Then, start to research information you will need to put on your model (your text and table resources).
- 3) Sketch, on a piece of looseleaf paper, **HOW** your group will make its 3D model of Earth's layers.

I will provide the construction paper to complete the model **NEXT CLASS**.

Dec 6-8:30 AM

Now, let's talk about your project by going over the RUBRIC!

YOUR First and Last Name \_\_\_\_\_ Your Class \_\_\_\_\_ Today's date \_\_\_\_\_  
Name Class Date

Inside the Earth 3D Model - Group Project Rubric

ANNOTATE  
  
  
  
 ANNOTATE

	4 (x 4)	3 (x 3.4)	2 (x 3)	1 (x 2.8)
Earth's Layers (x 2)	The Earth's four (4) layers are clearly and accurately labeled.  Each layer's relative thickness is accurately represented in the model. <b>model will be 9" or 12" range</b>	Three of the four (4) layers of the Earth are clearly and accurately labeled  Each layer's relative thickness is reasonably well represented in the model.	Only two of the four (4) layers of the Earth are clearly labeled and accurately identified.  Each layer's relative thickness is somewhat accurately represented in the model.	Only one of the four (4) layers of the Earth is clearly labeled and accurately identified.  None of the layers' relative thickness is accurately represented in the model.
Temperature and Pressure (x 2)	The <u>temperature</u> and <u>pressure</u> of each of the Earth's layers are represented using both color and text. <b>not necessarily a number</b>	The temperature and pressure of three of the four layers of the Earth are represented using both color and text.	The temperature and pressure of at least two of the four layers of the Earth are represented using either color or text.	The temperature and pressure of at least one of the four layers of the Earth is represented using either color or text.
Layer Composition and Function (x 2)	The important components of each layer are clearly identified.  The function of each layer is identified and related to its composition.	The important components of three of the Earth's four layers are clearly identified.  The function of three of the Earth's four layers are related to its composition.	The important components of two of the Earth's four layers are clearly identified.  The function of two of the Earth's four layers are identified and related to its composition.	The important components of only one of the Earth's four layers is clearly identified.  The function of only one of the Earth's four layers is identified and related to its composition.
Score				

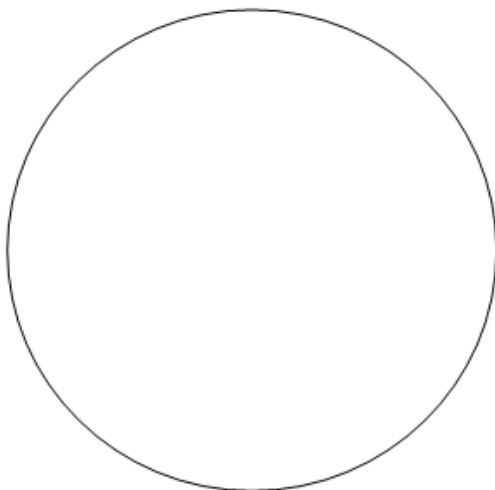
Dec 8-6:22 AM

YOUR First and Last Name \_\_\_\_\_ Your Class \_\_\_\_\_ Today's date \_\_\_\_\_  
Name Class Date

Inside the Earth 3D Model - Pie Chart of Participation

Complete the following pie chart once the project has been completed. Assess how much of the project is your own effort and how much is the effort of each group member. Be honest, fair and accurate in your assessment.  
 I will be making my own observations.

Individual Task Responsibilities



**YOUR First and Last Name**  
 Name: \_\_\_\_\_

**Your agreed task**  
 Task Assigned: \_\_\_\_\_

**Partner First and Last Name**  
 Name: \_\_\_\_\_

**Partner agreed task**  
 Task Assigned: \_\_\_\_\_

**Partner First and Last Name**  
 Name: \_\_\_\_\_

**Partner agreed task**  
 Task Assigned: \_\_\_\_\_

**Partner First and Last Name**  
 Name: \_\_\_\_\_

**Partner agreed task**  
 Task Assigned: \_\_\_\_\_

Dec 8-6:39 AM

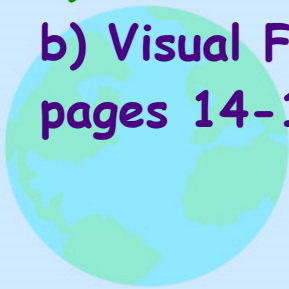
## Research resources for INSIDE EARTH project:

1) YOUR text - The Dynamic Earth: Unit 4 Lesson 1 (pages 192-198)

2) Classroom Resources (at each table):

a) Inside Earth text, Chapter 1, Section 1

b) Visual Fact Finder: Planet Earth, pages 14-15

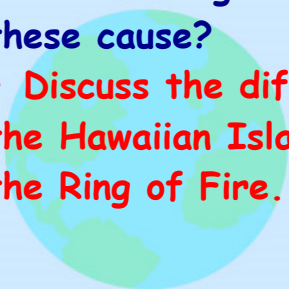


Feb 19-8:53 PM

Keep these questions in mind as you watch the video and take notes.

### Discussion Questions:

- What evidence did Alfred Wegener offer to support his theory of continental drift?
- What evidence did exploration of the ocean floor reveal to further support Wegener's theory?
- How does the movement of tectonic plates occur?
- What are the three types of tectonic plate movement?
- What changes in the surface of the earth might each of these cause?
- Discuss the differences between the volcanoes that formed the Hawaiian Islands and those bordering the Pacific plate in the Ring of Fire.



Dec 9-6:39 AM

The following video provides an overview of material covered in the new unit:  
**Dynamic Earth!**

Continents Adrift: An Introduction to Continental Drift and Plate Tectonics



Take notes as you view the video as you will be starting a project the next time we meet.

Your notes may prove valuable for that project!

Feb 19-9:34 PM

- 1) Each group must decide who is responsible for each task required to complete your group's **Inside Earth 3D model** project. (Complete the Task Assignment list.)
- 2) Then, start to research information you will need to put on your model. (Use your text and table resources.)
- 3) Sketch, on a piece of loose-leaf paper, **HOW** your group will make its 3D model of Earth's layers.

I will provide the construction paper to complete the model **NEXT CLASS.**

Dec 6-2:53 PM

I will collect EACH student's research notes for a 24 point **PROCESS** grade. Notes **MUST** be extensive enough to reflect you contributed what you agreed to **AND** that information was included on the model.

I will assess each group's model during the Gallery Walk for a **PRODUCT** grade. Each group member will get the grade the project earned **UNLESS** participation in the process was below what you agreed to do on the Task Assignment list.

Dec 6-2:58 PM

You will have **3 days**, including today, to research, organize and construct your models.

We will do a Gallery Walk on Day 4 at the **BEGINNING** of class:

**Gallery Walk:**

**A-day 15 December**

**B-Day 16 December**

Dec 9-6:39 AM

## Attachments

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TectonicPlateSong-G.notebook



InsideEarthModelGroupProjectRubric.doc



Continents\_Adrift\_\_An\_Introduction\_to\_Continental\_Drift\_and\_Plate\_Tectonics.asf