

## **JOURNEY TO THE CENTER OF THE EARTH PROJECT RUBRIC**

Name \_\_\_\_\_ Hour \_\_\_\_\_

### **CHOICE 1 - 3D Model:**

- Creative 3D Model (non-food/styrofoam) material \_\_\_\_\_ **20 points**
  - Layers **1-7** clearly labeled \_\_\_\_\_ **20 points**
  - Accurate representation of Earth's layers from Crust to Core \_\_\_\_\_ **20 points**
  - One page written/typed description of the 8 Layers in your model \_\_\_\_\_ **40 points**
  
  - **TOTAL** \_\_\_\_\_ **100 points**
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### **CHOICE 2 - Short Story:**

- 5 paragraph typed or hand-written creative story \_\_\_\_\_ **35 points**
  - Layers **1-7 bold/underlined** (5 points each layer x 7 layers) \_\_\_\_\_ **35 points**
  - Accurate representation of Earth's layers from Crust to Core \_\_\_\_\_ **30 points**
  
  - **TOTAL** \_\_\_\_\_ **100 points**
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### **CHOICE 3 - Comic Book/Graphic Novel:**

- 12 frames with **full color** \_\_\_\_\_ **20 points**
- At least 2 dialogue bubbles per frame (**24 total**) \_\_\_\_\_ **30 points**
- Layers **1-7 bold/underlined** (5 points each layer x 7 layers) \_\_\_\_\_ **35 points**
- Accurate representation of Earth's layers from Crust to Core \_\_\_\_\_ **15 points**
  
- **TOTAL** \_\_\_\_\_ **100 points**

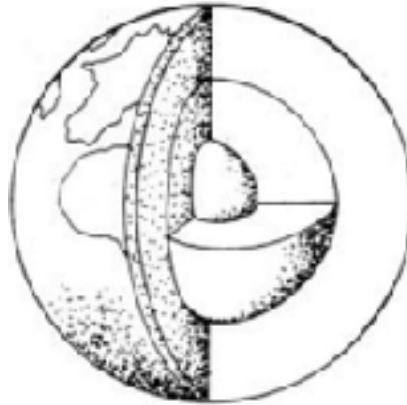
## JOURNEY TO THE CENTER OF THE EARTH PROJECT

NAME \_\_\_\_\_ HOUR \_\_\_\_\_

Choose one of the 3 Options below. Every Option must have the following requirements:

### 7 Layers of the Earth:

- Continental Crust
- Oceanic Crust
- Lithosphere (upper mantle)
- Asthenosphere (middle mantle)
- Mesosphere (lower mantle)
- Outer Core
- Inner Core



### Research done for each layer:

- Diameter (kilometers or miles)
- Density (g/cm<sup>3</sup>)
- Temperature (°C or °F)
- Composition (what elements are in each layer?)
- State of Matter (Solid, Semi-Solid, Liquid or Gas)
- Two interesting facts

### Option #1: 3-D Model

- Can be constructed from clay, Playdoh, Legos, plastic, ornaments, beads, bottles, cardboard, construction paper, metal or wood. **NO EDIBLE materials (food or drink) or STYROFOAM**
- Must have all 7 layers clearly labeled
- One page typed or hand-written description of the layers of the earth that include all of your **research**

### Option #2: Short Story

- Type or hand-write a 5 paragraph (5-7 sentences for each paragraph) story about traveling from the Crust to the Core. The story can be about a scientist (maybe you?) journeying to the center of the earth and what you see along the way. This story can be shared with your beloved science teacher on Google Docs.
- Must have all 7 layers clearly bolded, underlined or highlighted
- Must include all of your **research**

### Option #3: Comic Strip/Graphic Novel

- Create a 12-frame comic strip/graphic novel that tells a story about traveling from the Crust to the Core
- At least 2 speech bubbles must be included in each of the 12 frames
- Must have all 7 layers clearly bolded, underlined or highlighted
- Must include all of your **research**

Research Graphic Organizer:

**Oceanic Crust**

**Continental Crust**

• Diameter (kilometers or miles)		
• Density (g/cm <sup>3</sup> )		
• Temperature (°C or °F)		
• Composition (what elements are in each layer?)		
• State Of Matter (Solid, Semi-Solid, Liquid or Gas)		
• Two interesting facts		

**Lithosphere (upper Mantle)**

• Diameter (kilometers or miles)	
• Density (g/cm <sup>3</sup> )	
• Temperature (°C or °F)	
• Composition (what elements are in each layer?)	
• State Of Matter (Solid, Semi-Solid, Liquid or Gas)	
• Two interesting facts	

**Asthenosphere (middle Mantle)**

• Diameter (kilometers or miles)	
• Density (g/cm <sup>3</sup> )	
• Temperature (°C or °F)	
• Composition (what elements are in each layer?)	
• State Of Matter (Solid, Semi-Solid, Liquid or Gas)	
• Two interesting facts	

### Mesosphere (lower Mantle)

• Diameter (kilometers or miles)	
• Density (g/cm <sup>3</sup> )	
• Temperature (°C or °F)	
• Composition (what elements are in each layer?)	
• State Of Matter (Solid, Semi-Solid, Liquid or Gas)	
• Two interesting facts	

### Outer Core

• Diameter (kilometers or miles)	
• Density (g/cm <sup>3</sup> )	
• Temperature (°C or °F)	
• Composition (what elements are in each layer?)	
• State Of Matter (Solid, Semi-solid, Liquid or Gas)	
• Two interesting facts	

### Inner Core

• Diameter (kilometers or miles)	
• Density (g/cm <sup>3</sup> )	
• Temperature (°C or °F)	
• Composition (what elements are in each layer?)	
• State Of Matter (Solid, Semi-solid, Liquid or Gas)	
• Two interesting facts	