

Name: Date:

Graded Assignment Lab Report 1.08

Submit by September 21 for full credit.





In this lab, you will discover how scientists can use models to investigate relationships. The question we are trying to answer is, "Which melts faster, a conglomerate rock model (left) or a plain rock model (right)?" Watch the lab video and use the Student Guide to answer the questions below!

Follow these steps to get started:

- Step 1: Download the Student Guide.
- Step 2: Watch the following video from the SCI113 Course: Modeling Earth Science Processes Lab Video
- Step 3: Answer all guestions fully (in complete sentences) using the above lab video.
- **Step 4:** Turn the lab into the Dropbox by September 21 for full points.(Click the link for <u>Instructions to use Dropbox</u>)

 Any work submitted after the midnight deadline will be counted for up to 70% of the points possible (30% off).

Note: If you get confused, please send your teacher a kmail asking for help – make sure to ask a *specific question* in your kmail so I can help you best!

This activity is a **VIRTUAL LAB!** That means you do **not** need to go gather the materials and conduct the lab at home. Just use the <u>video</u> to answer the questions!!

(5 points)

1. Fill out the table below entirely using the Student Guide and the video above.

The data for Mass and Volume can be found in the <u>Student Guide</u>.

Show how you determined the density for each rock model, and then state which one is denser.

Score	

Note: You will need to calculate density, using the following formula: Density = mass ÷ volume

Answer:

Rock Model	Mass (g)	Volume (cm³)	Density (g/cm³)
Conglomerate			
Plain			

Answer:

of 16 **Your Score**