

**Analysis:**

- \* On your chromebook, go to the following site: <http://isenseproject.org/projects/1426>
- \* Scroll down to the box on the right called "Visualization"
- \* Click on "Mass volume & density bar graph." Take a few minutes to discuss with your partner what this graph means.. Can you draw any conclusions from the data shown?
- \* Click on the blue words "Density project" above the bar graph. This will bring you back to the previous screen.
- \* There are 3 other visualizations call "Question 1," "Question 2," and "Question 3." Use these visualizations to help you answer the first 3 questions below. The answer to question 4 is based on the first 3 questions. The last question is based on what we have discussed in class about density. If you are unsure of the answer, refer to your notes or the book.
- \* If you finish early, you may explore iSENSE. Try using different types of graphs (Scatter, histogram, pie, table, summary). Change the settings on the left to see what happens. Can you use any of your graphs to help you understand the data we collected? Let me know if you find something good!

**Density Lab questions:** Answer all questions completely. Use complete sentences.

1. Compare the mass of the whole piece of clay with the masses of the two pieces. How do they relate?  
The larger piece, the greater the  
mass.  $S+L = \text{full}$ .
2. Compare the volume of the whole piece of clay with the volume of the two pieces. How do they relate?  
The larger the piece, the greater  
the mass.  $S+L = \text{full}$ .
3. Compare the density of the whole piece of clay with the densities of each piece. What do you observe?  
The Densities are all about  
equal.