

4. What can you conclude about the densities of these materials? (In other words, does the density of the clay change when you change the volume?) Please explain your answer completely.

every substance has its own density and doesn't change.

5. Based on the density calculations, would the clay sink or float in water? Explain how you know.

Sink because the density is greater than the density of water.

6. **Bonus question (optional):** Look at the visualization called "Scatter plot - full piece data." What can you learn from this chart? Try changing the "group selection" on the left to "large." Then try "small." Why are those two charts different from the "full?"

People weren't accurate enough.