Cornell Notes

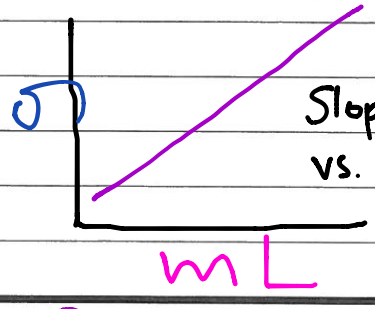
Topic/Objective: SWBAT recognize density as a property of matter & calculate density, mass & volume.

Name:

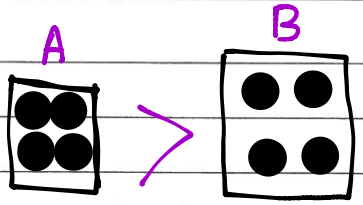
Class/Period: 1A, 3A, 4A, 3B

Date: 9.8-9.14

Essential Question: What is Mass, Volume and Density and how are they related?

Questions:	Notes:
4 Q's at least 2 need to be L 2-3.	**Mass** (m) = the amount of matter in an object. (# particles) units = grams (g) **Volume** (V) = the amount of space matter, or an object takes up. units = mL or cm^3 * 1mL = 1 cm^3 **Density** (D) = the amount of matter in a particular amount of space. (The amount of matter per unit of volume.) Equations: $Density = \frac{mass}{volume} = \frac{m}{V} = \frac{g}{mL} = \frac{g}{mL}$ ↓ units of density $D = \frac{m}{V}$ $m = D \cdot V$ $V = \frac{m}{D}$  Slope of a graph of mass vs. volume is density.

Summary:



Density is greater in object A because there is the same amount of mass in a smaller volume.

3-5 Sentence Summary

Questions:	Notes:

Summary: