

College Prep Chemistry of the Earth System

Assignment 1L

20 Points

Density

Answer the following questions

1. Define density
2. Why is density considered an
 - a. Intensive Property
 - b. Direct Relationship

Solve the following density problems

3. $m = 39.3\text{g}$, $v = 182.4\text{mL}$, $D = \underline{\hspace{1cm}}\text{g/mL}$
4. $m = 95.28\text{g}$, $v = 52.67\text{mL}$, $D = \underline{\hspace{1cm}}\text{g/mL}$
5. $m = 0.827\text{g}$, $v = 2.48\text{mL}$, $D = \underline{\hspace{1cm}}\text{g/mL}$
6. $m = 0.337\text{g}$, $v = 1.38\text{mL}$, $D = \underline{\hspace{1cm}}\text{g/mL}$