Measuring Notes Fill In The Blank

Mass	Volume
- how much _____ something has - like _____ without gravity - measured in _____ - tools used to measure are _____ and _____	- how much _____ an object takes up - measured in _____, _____, _____ - square objects- LxWxH with a ruler to determine volume - irregular objects- find volume using _____

Density
- How tightly packed together the molecules are.

- the mass per unit _____ of a substance.

Formulas   D=   M=   V=

DON'T FORGET THIS   _____ = _____ = _____
                                    All of these are the same thing!

Density of water = _____ or _____ or _____

So....
If you have 10 grams of water, you have _____ of water

If you have 4,000 grams of water, you have _____ of water

Converting in the Metric System

_____   _____   _____   _____   _____   _____   _____

_____   _____   _____   _____   _____   _____   _____

_____

_____

_____

_____   _____   _____   _____   _____   _____   _____

Sample Problems

1000 Km = ? m   50g = ? Kg

57 mm = ? Hm   45.789 KL = ? mL

567 g = ? Kg   6Hm = ? m

Scientific Notation

-Positive exponents make numbers much larger than 1 5×10^4 = _____

-Negative exponents make numbers much smaller than 1 5.6×10^{-6} = _____

Practice

5.6×10^5 100 000 000

7.8×10^{-5} 45

1.004×10^8 0.000 000 000 000 04