name KEY 95pts hr__

REVIEW METRIC SYSTEM & MEASUREMENT UNIT

WRITE THE NAME OR SYMBOL THAT GOES WITH EACH

Megameter	Mm	decimeter	dm	Hectoliter	HL
Teraliter	TL	microgram	ug	Gigameter	Gm
nanogram	ng	meter	m	Dekagram	DKg
centiliter	cL	gram	g	Kiloliter	KL
Km	Kilometer	cg	centigram	dL	deciliter
mg	milligram	Gm	Gigameter	Mg	Megagram
pm	picometer	µm	micrometer	HL	Hectoliter
Tg	Teragram	Dkm	Dekameter	ng	nanogram

FILL IN THE CHART:

1012	109	106	10^3	10^2	10^1	10^0	10^{-1}	10^{-2}	10^{-3}	10-6	10-9	10-12
Tera	Giga	Mega	Kilo	Hecto	Deka	BASE	deci	centi	milli	micro	nano	pico
trillion	billion	million	1000	100	10	1	.1	.01	.001	.000001	.000000001	.000000000001

CONVERT:

A. 18 Mbytes = 18000 Kbytes

B. 4.865 m = 4865000 µm

C. .000052 sec = 52000000 psec

D. 38.1 nL= .0381 µL

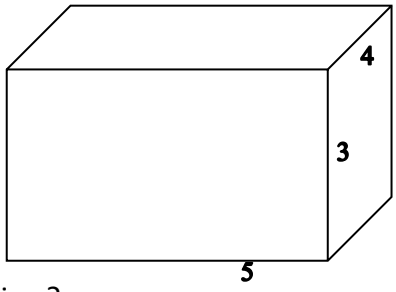
E. .0034 Tg= 3400 Mg

FILL IN THE CHART:

	DEFINITION	UNIT LABEL(S)
LINEAR	STRAIGHT LINE, EDGE	m, cm
AREA	the skin or surface of an object	m2 cm2
VOLUME	the space an object takes up	mL m3 cm3
MASS	the amount of matter in an object	g
DENSITY	how tightly packed	g/cm3 g/mL

Pretend this rectangular prism is measured in cm. Don't forget labels!

Area of front 15 cm2
Area of back 15 cm2
Area of side 1 12 cm2
Area of side 2 12 cm2
Area of top 20 cm2
Area of bottom 20 cm2
Total area→ 94 cm2



mass= 120 g

What is the volume of this rectangular prism?
What is the density of this rectangular prism?

DEFINE:

Scientific question-- the question the experiment is trying to answer

Hypothesis -- the scientist's best guess as to how the experiment will turn out

Data--- numbers or information collected in an experiment

Claim --- A STATEMENT OF TRUTH/ THE ANSWER TO THE SCIENTIFIC QUESTION

Evidence --- PROOF TO BACK UP YOUR CLAIM (DATA FROM EXPERIMENT)

Argument / Conclusion --- YOUR CLAIM + YOUR EVIDENCE

Scientific error --- things that can get messed up in the experiment

Experimental group— THE GROUP(S) GETTING THE EXPERIMENTAL TREATMENT

Control group— THE GROUP WHERE NOTHING NEW IS HAPPENING (NO TREATMENT)

Sample size-- THE AMOUNT OF ITEMS IN THE STUDY

Independent variable-- THE THING THAT IS BEING MESSED WITH (THE CAUSE)

Dependent variable-- THE THING YOU MEASURE (THE EFFECT)

Controlled variables-- VARIABLES THAT YOU KEEP THE SAME TO MAKE THE TEST FAIR