

*Base Ten Units*

A	B	C	D	E
Unit	Standard notation	Scientific notation	Metric prefix	Symbol
billionth	0.000000001	$1 \times 10^{-9}$	nano	n
hundred millionth	0.00000001	$1 \times 10^{-8}$		
ten millionth	0.0000001	$1 \times 10^{-7}$		
millionth	0.000001	$1 \times 10^{-6}$	micro	$\mu$
hundred thousandth	0.00001	$1 \times 10^{-5}$		
ten thousandth	0.0001	$1 \times 10^{-4}$		
thousandth	0.001	$1 \times 10^{-3}$	milli	m
hundredth	0.01	$1 \times 10^{-2}$	centi	c
tenth	0.1	$1 \times 10^{-1}$	deci	d
one	1	$1 \times 10^0$		
ten	10	$1 \times 10^1$	deca	
hundred	100	$1 \times 10^2$	hecta	
thousand	1,000	$1 \times 10^3$	kilo	k
ten thousand	10,000	$1 \times 10^4$		
hundred thousand	100,000	$1 \times 10^5$		
million	1,000,000	$1 \times 10^6$	mega	M
ten million	10,000,000	$1 \times 10^7$		
hundred million	100,000,000	$1 \times 10^8$		
billion	1,000,000,000	$1 \times 10^9$	giga	G
ten billion	10,000,000,000	$1 \times 10^{10}$		
hundred billion	100,000,000,000	$1 \times 10^{11}$		
trillion	1,000,000,000,000	$1 \times 10^{12}$	tera	T

*Temperature Scale Data*

Temperature scale	Temperature at which water freezes	Temperature at which water boils
Fahrenheit	$32^{\circ}$	$212^{\circ}$
Celsius/centigrade	$0^{\circ}$	$100^{\circ}$
Kelvin	273	373

Lab Discussion Question 2.

What are the 3 fundamental units of the *Système International d'Unités*?

kilograms, meters and seconds

Lab Discussion Question 3.

What is the SI unit of force? Newton

What are the three units from which this unit of force is derived? kilogram, meter, and second

Lab Discussion Question 4.

What is the SI unit of energy? joule

What are the two units from which this unit of energy is derived? newton and meter