

SI Units and Prefixes Classwork

Fill in the chart below

Measurement	SI Unit	Base or Derived?
energy in a battery		
length of a pencil		
density of a block of iron		
mass of a book		
time to read a web-page		
temperature of a refrigerator		
brightness of a flashlight		
amount of milk		

Determine the SI prefix for each measurement

Measurement	Quantity	Prefix	Unit
wavelength of red light	0.000 000 007 m		
ionization energy of Li	570,000 J		
width of a pencil	0.008 m		
distance to the sun	150 000 000 000 m		
atomic radius of H	0.000 000 000 05 m		
half-life of K-40	1,280,000,000 y		