

CH 7

Vocabulary ALL (DUE 1/30)

astrophysics
nucleus
electron
proton
neutron
isotope
ionized
ion
molecule
Coulomb force
quantum mechanics
binding energy
permitted orbit
energy level
ground state
excited atom
thermal energy
heat
temperature
Kelvin temperature scale
absolute zero
blackbody radiation
Stefan-Boltzmann law
wavelength of maximum intensity, λ_{\max}
Wien's law
Kirchhoff's laws
continuous spectrum
emission (bright-line) spectrum
emission lines
absorption (dark-line) spectrum
absorption lines
transition
Lyman series
Balmer series
Paschen series
Doppler effect
blueshift
redshift
radial velocity, V