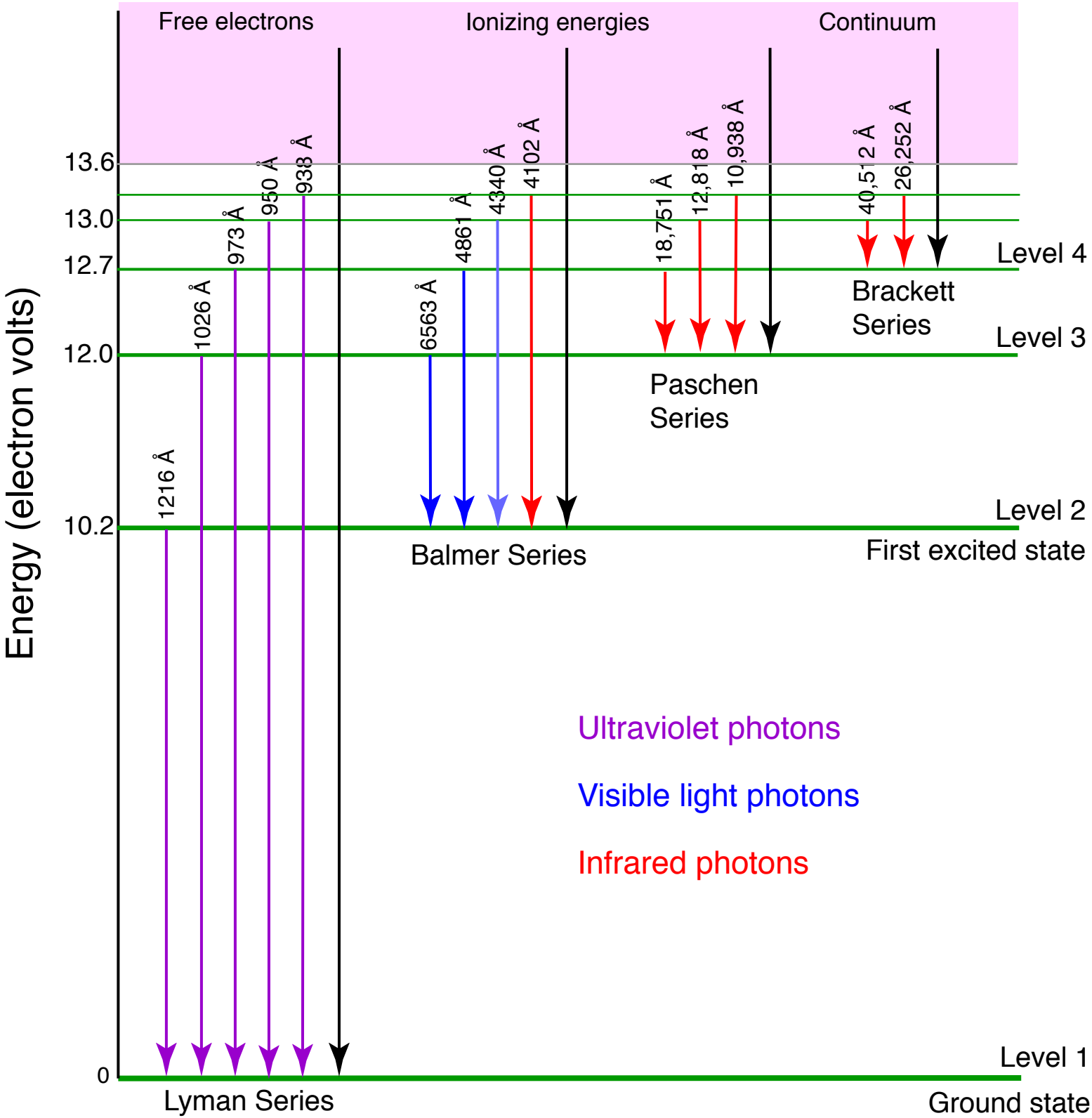
Free electrons
Ionizing energies
Continuum
Energy (electron volts)
13.6
13.0
12.7
12.0
10.2
0
1216 Å
1026 Å
973 Å
950 Å
938 Å
6563 Å
4861 Å
4340 Å
4102 Å
18,751 Å
12,818 Å
10,938 Å
40,512 Å
26,252 Å
Level 4
Level 3
Level 2
First excited state
Level 1
Ground state
Brackett Series
Paschen Series
Balmer Series
Lyman Series
Ultraviolet photons
Visible light photons
Infrared photons