

An incomplete list of astrophysically important infrared and visible spectral features

Identification	Wavelength (Å) [†]	Identification	Wavelength (Å)
He I	10 830	O II	4649
C I	10 691	N III	4641
Si I	10 689	N III	4634
Si I	10 627	Mg I	4571
Si I	10 603	He II	4541
Si I	10 371	Mg II	4481
He II	10 124	He I	4472
He II	10 120	He I	4471
Na I	9961	He I	4388
C III	9710	Fe I	4384
O I	8446	[O III]	4363
He II	8237	H I γ	4340
O I	7774	O II	4318
He I	7065	G band ^(b)	4300
H I α	6563	Ca I	4227
[O I]	6363 ^(a)	He II	4200
[O I]	6300	H I δ	4102
Na I (D)	5896	He II	4100
Na I (D)	5890	N III	4097
He I	5876	Si IV	4089
He II	5412	O II	4073
Fe XIV	5303	He I	4026
Mg I	5175 ^(b)	H I ϵ	3970
Mg I	5173	Ca II (H)	3968
[O III]	5007	[Ne III]	3968
[O III]	4959	He I	3965
He I	4922	Ca II (K)	3934
H I β	4861	[Ne III]	3869
He II	4686	He I	3820
C IV	4658	O III	3760
O II	4650	[O II]	3727
C III	4650	[Ne V]	3426

[†] $h\nu$ (eV) = 123 98.54/ λ (Å).

^(a) Forbidden transitions are noted by brackets.

^(b) Superposition of CH band and metallic lines.