

Absorption Spectra Identification

Enter the name of the element from the list on the left beside its spectrum of absorption lines on the right.

Element with selected absorption wavelengths in nm

Absorption Spectrum

- Example:
Hydrogen 433, 486, 656
- Helium \checkmark He 447, 502, 587, 668
- Carbon C 427, 515, 600, 678
- Nitrogen \checkmark N 460 to 465, 567, 649, 661 to 666
- Oxygen O 464 to 467, 559, 626, 760
- Neon Ne 439, 534, 588, 692
- Sulfur S 425, 565, 639, 675
- Chlorine Cl 438, 522, 545, 669, 692
- Iodine I 445, 560, 607, 634, 681
- Krypton Kr 427 to 430, 482, 556, 642
- Xenon Xn 484, 590, 687
- Aluminum Al 490, 528, 600, 669
- Calcium Ca 429, 527, 593, 645
- Iron \checkmark Fe 417 to 433, 516, 562, 619
- Nickel Ni 440, 499, 548, 572, 677
- Copper Cu 435 to 438, 490 to 496, 503 to 508, 618 to 622
- Silver \checkmark Ag 421, 521, 662
- Gold Au 424, 497, 523, 628

