

A true introductory text for learning the spectroscopic techniques of Nuclear Magnetic Resonance, Infrared, Ultraviolet and Mass Spectrometry. It can be used in a stand alone ...

Studying the properties of matter through its interaction with different frequency components of the electromagnetic spectrum. With light, you aren't looking directly at the molecule--the matter--but its ...

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When the light from a simple emission source (like a single element) is viewed through a spectrometer, only specific lines of color are seen. Each of these lines corresponds to a unique electronic transition ...

The wavelengths or frequencies of the absorbed radiations are measured with the help of a spectrometer. Generally, a spectrometer records an absorption spectrum as a plot of the intensity of ...

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Almost everything we know about the make-up, temperature, and motion of planets, stars, and galaxies comes from spectroscopy: measuring the specific colors of light that they emit, absorb, ...

Explain the principles of a range of spectroscopic techniques including infrared (IR), ultraviolet-visible (UV-vis) and nuclear magnetic resonance (NMR). Each technique has clear explanations and ...

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