

[Open Peer Review on Qeios](#)

# Raman Spectroscopy

National Cancer Institute

## Source

National Cancer Institute. *Raman Spectroscopy*. NCI Thesaurus. Code C17157.

Emission of electromagnetic energy with a shorter frequency (longer wavelength) than that of the incident monochromatic light. Arises from the low probability absorption of quanta with a higher energy than that required for a transition: the difference in energy is emitted as a lower frequency (energy) photon. Allows analysis of vibrational and rotational energy levels using visible incident light.