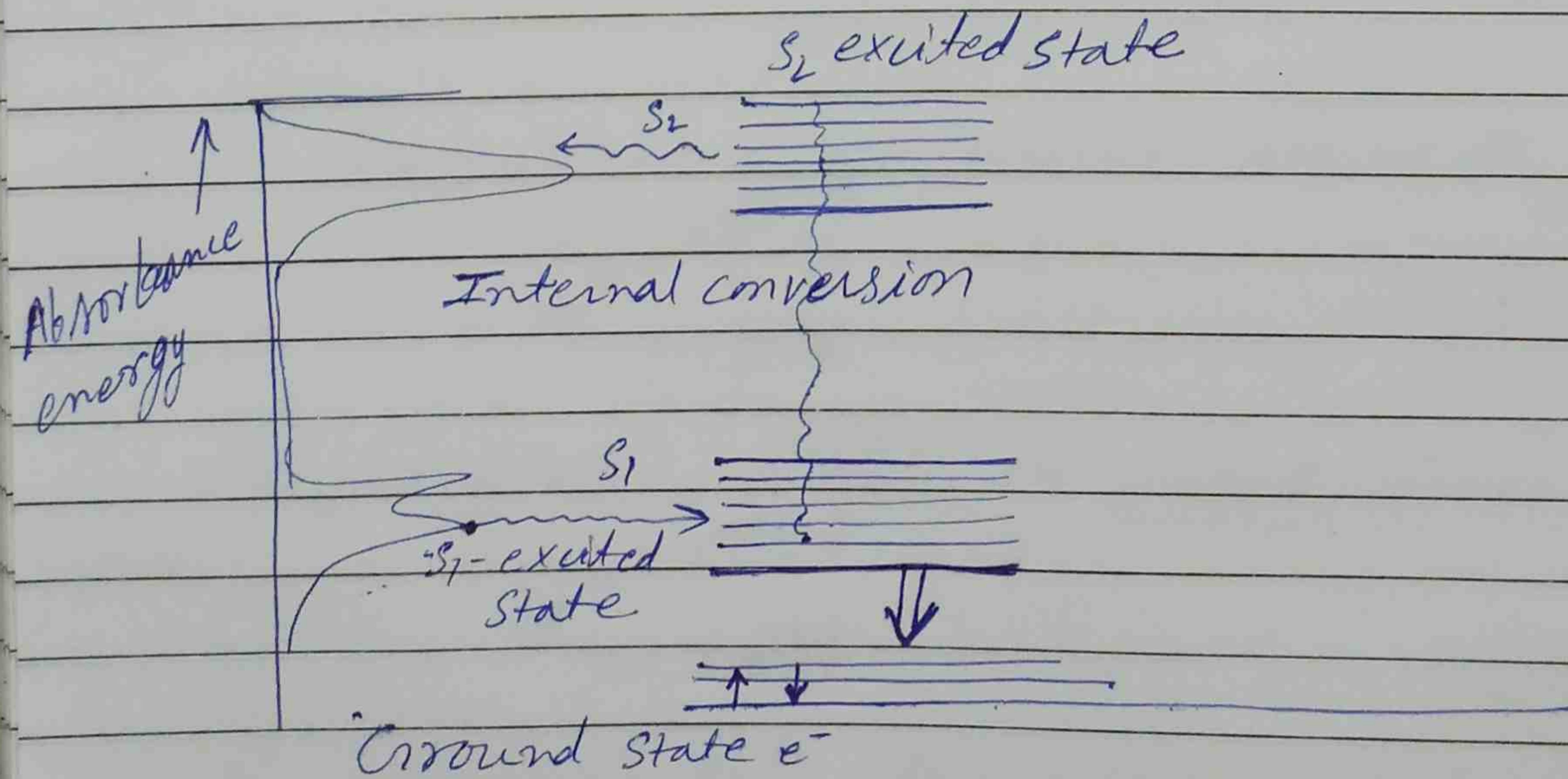


exciting in the singlet ground state promoted to a Singlet - excited state.

As the excited molecule returns to ground state, emits a photon of lower energy, which corresponds to a longer wavelength, than the ~~absorbed~~ photon.
absorbed

Basically Fluorescence is a type of luminescence ^{science} caused by photons exciting a molecule, raising it to an electronic excited state.



The Jablonski Diagram