







	Summary
٠	Electronic spectroscopy of diatomic molecules is complex
	 Spin does not change in a transition. AS = 0
	 Angular momentum changes: ΔΛ = 0 or ±1
	 Inversion symmetry must change (for homoatomics) g ↔ u u ↔ g
	Rules are often violated to some degree
•	Fluorescence versus phosphorescence
	 Fluorescence is fast because it is not forbidden.
	 Phophorescence is slow because it involves forbidden transitions.
	Requires intersystem crossing