



- Typical electronic transitions
- Typical vibrational transitions
- Typical rotational transitions

SEPARATIONS BETWEEN ELECTRONIC ENERGY LEVELS USUALLY ARE MUCH LARGER THAN THOSE BETWEEN VIBRATIONAL LEVELS, WHICH IN TURN ARE MUCH LARGER THAN THOSE BETWEEN ROTATIONAL LEVELS

Figure 4-11 Generalized energy-level diagram for a molecule.

MOLECULAR SPECTROSCOPY