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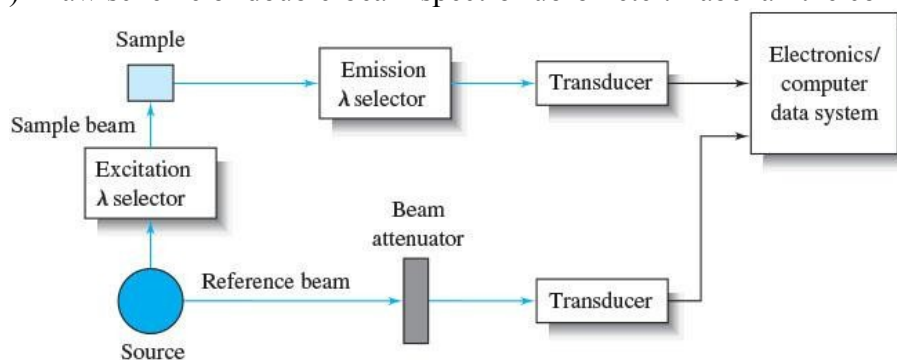
**Analytical Chemistry II – Quiz (16<sup>th</sup> April, 2024)**

1) Define the following terms:

**phosphorescence:** It is the process in which an excited molecule emits a photon while undergoing a transition from an excited triplet state to a lower state of a different spin multiplicity.

**predissociation:** It occurs when a molecule changes from a higher electronic state to an upper vibrational level of a lower electronic state in which the vibrational energy is great enough to rupture the bond.

2) Draw scheme of double-beam spectrofluorometer. Label all the components.



OR

