

Post-learning exercise

Topic: Principles of Fluorescence

Student name: _____ Student ID: _____

Fill in the blank with keywords appropriate for each statement.

1. Fluorescence is a process which a molecule _____ light after _____ by light.
2. Apart from fluorescence, light-based detection system includes _____ and _____.
3. To use fluorescence in your experiment, the important step for planning the experiment is to check the _____.
4. Two parts of equipment that would determine specific fluorophore to use in your experiments are _____ and _____.
5. _____ explains the emission of fluorescence from natural molecules.
6. _____ is caused by repeating exposure of the fluorescence to excitation light, whether intentionally or unintentionally.
7. Repeated exposure to shorter wavelength excitation light that can penetrate deeper in the tissue is the principle of _____.