ON CLASS ACTIVITY – FLUORESCENCE

- Explain what is fluorescence
- Explain the main difference between fluorescence and phosphorescence
- Why do Stokes displacements occur?
- Which external factors affect fluorescence?
- Explain what quantum yield is and why it is an important property of luminescent materials
  - Which factors could affect quantum yield?
- What is quenching? and why does it happen?
- What are carbon dots?

ON CLASS ACTIVITY – FLUORESCENCE

- What is the difference between a fluorometer and a spectrofluorometer?
  - How do they work?
- What are the applications of fluorescence spectroscopy in materials and nanomaterials?
- What is photoluminescence and what is electroluminescence?
  - What are some applications in materials and nanomaterials?