
Table of contents

Luminescence:

Producing optical radiation with exitaction of atoms and melecules thorough transitions into ground state (emission of photons):

- Electroluminescence: electrical exitation with diods or gas discharge
- Photoluminescence: exitation with electromagnetic radiation (photons), phosphor or fluor
- Chemoluminescence: exitation with chemical reaction, e.g. luminol
- Bioluminescence: exitation with chemical reaction at living organs, e.g. oxidation of luciferin
- Triboluminescence: exitation with friction or tearing apart (e.g. sugar cristals)
- Radioluminescence: exitation with irradiation with α –, β – or γ -radiation