

UV fluorescence

Key words: UV fluorescence, color rods, UV excitation, light absorption



Equipment List:

1. Bars and rod of fluorescent plastic, various colours
2. UV light source, 395 - 400 nm
3. Other light sources, e.g. green/red laser pointer, white light

How to assemble and operate:

- Absorption of ultraviolet light produces various fluorescent colours. Note that absorption of UV light in the blue bar is stronger than in the red bar. Use a different light source and different light source positions to see its effect on fluorescence and absorption.

Description/Theory:

This demonstration illustrates absorption and fluorescence of differently coloured materials using UV light.

Comments/Notes: