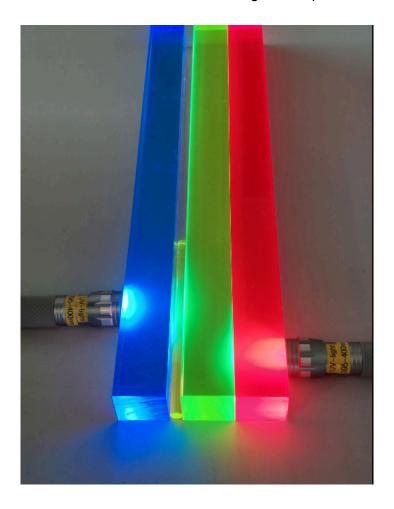
# **UV fluorescence**

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**: