

This Faraday Lecture, "Lights, Camera, Action!" shows how various types of spectroscopy are produced using different materials and procedures.

The demonstrations that are presented are listed as follows:

<b>DEMO #</b>	<b>TYPE of SPECTROSCOPY</b>	<b>NAME of DEMO</b>
1 & 2	Absorption	Indicator Dyes
3	Absorption	Light Sensitivity of AgX Compounds
4	Absorption	Photochemical Reactions
5	Refraction and Reflection	Prisms
6	Refraction and Reflection	Ghost Crystals
7	Refraction and Reflection	Silver Plate Mirror
8	Scattering	The Tyndall Effect
9	Scattering	Chemical Sunset
10	Emission	Electron Game with Crookes Tubes
11	Emission	Fluorescence
12	Emission	Chemiluminescence with Luminol
13	Emission	Piezoelectricity
14	Emission	Catalysis (Penny in Acetone)
15	Emission	Gummy Bear Sacrifice
16	Emission	The Glowing Test Tube
17 & 18	Emission	Flame Test