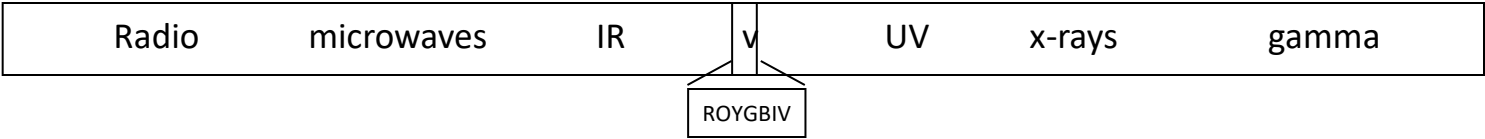


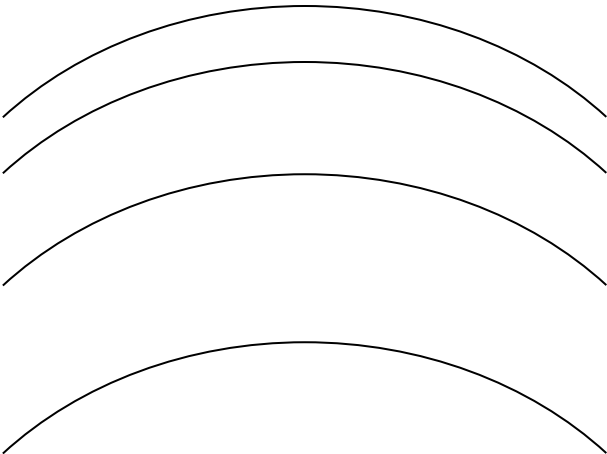
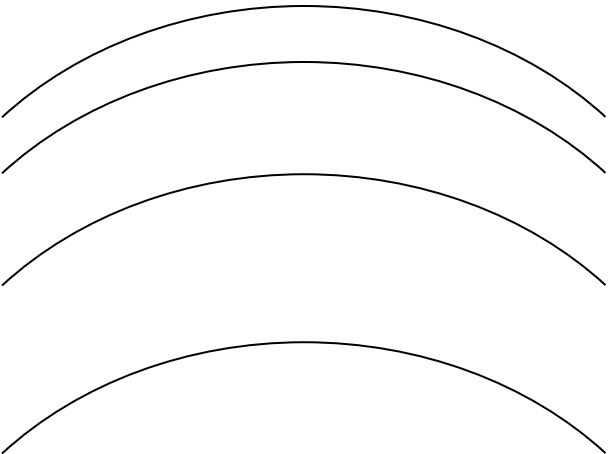
1/17/18 Today's agenda:

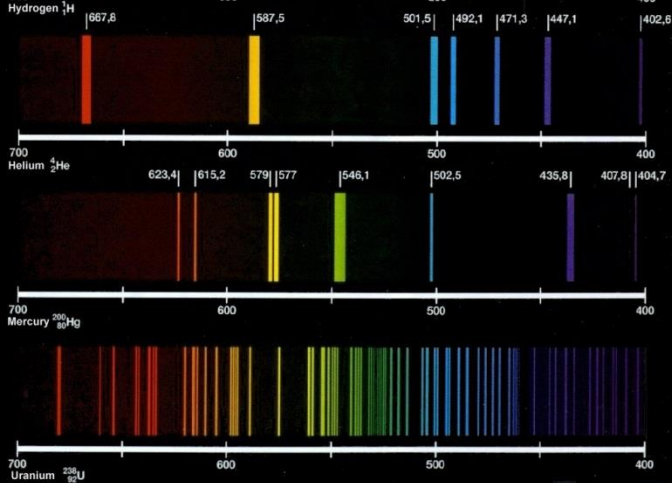
- 1) In your notes, write down everything you know about fluorescence, phosphorescence, luminescence, lasers, and why the sky is blue!**
- 2) Dark Room Demos (notes on page 33)**
- 3) Only the last two demos go in your demo notes**



Emission spectra

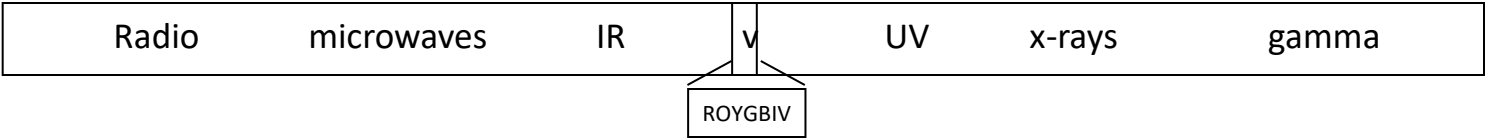
Examples





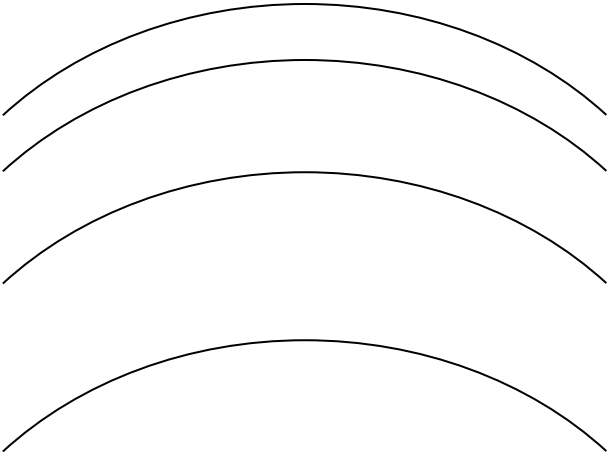
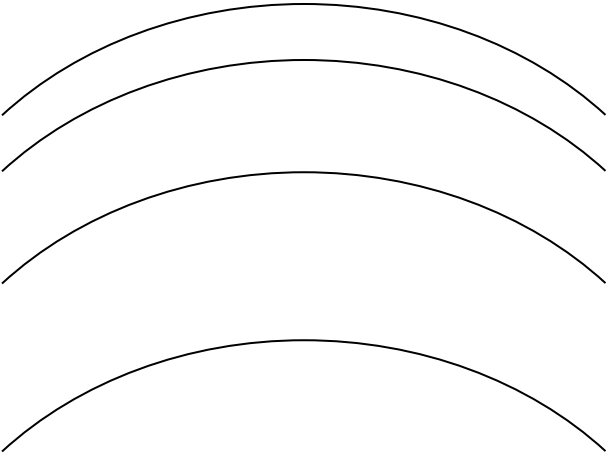
VAT19.com

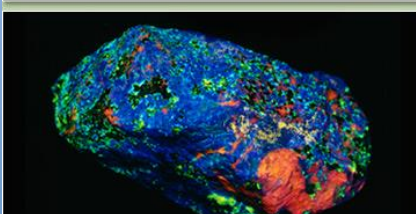
Plasma

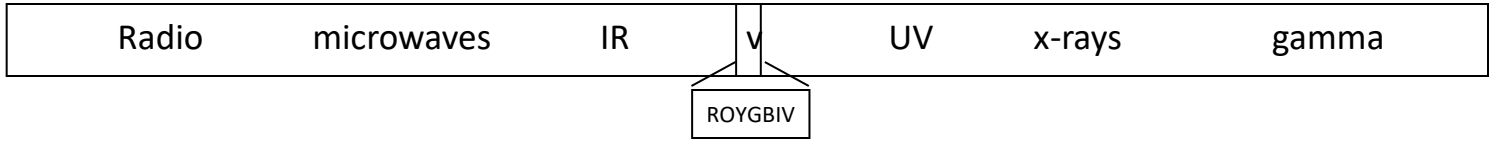


Fluorescence

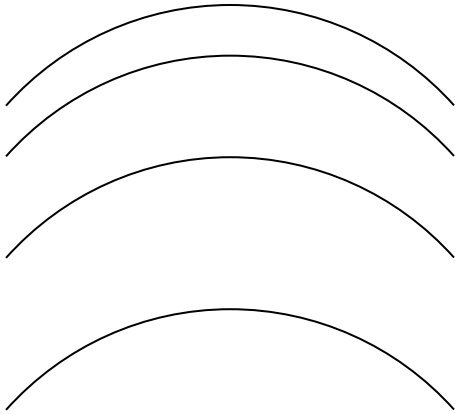
Examples



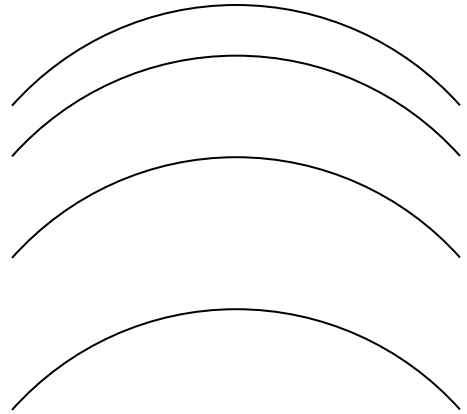
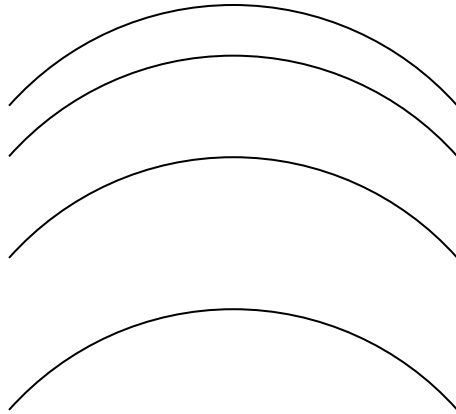




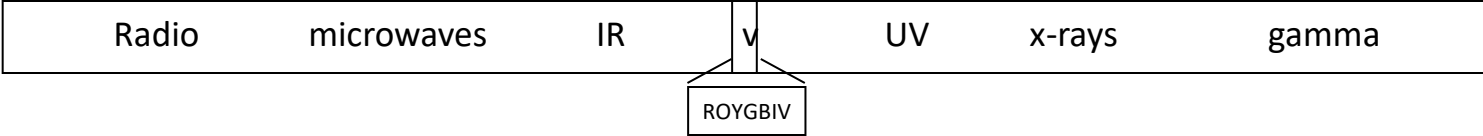
Phosphorescence



Examples

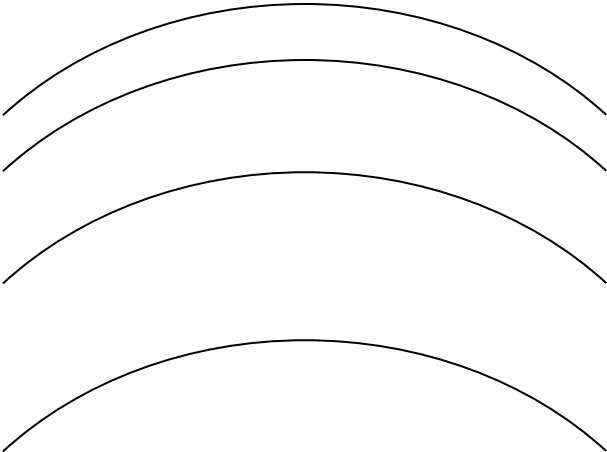
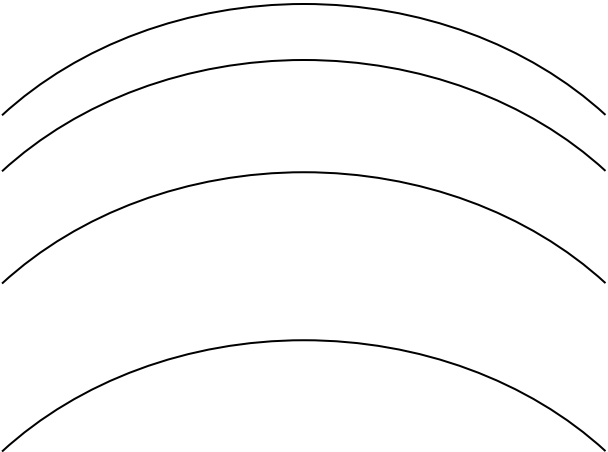






Chemiluminescence

Examples



BEFORE

Phenyl Oxalate Ester And Fluorescent Dye Solution

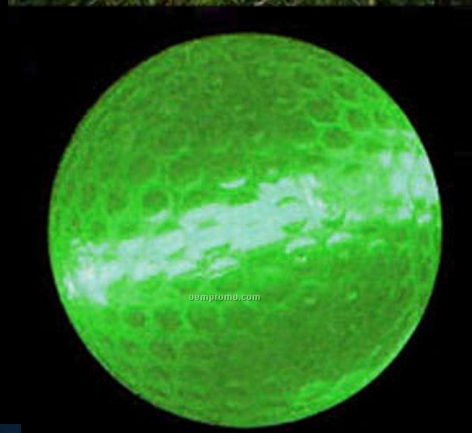
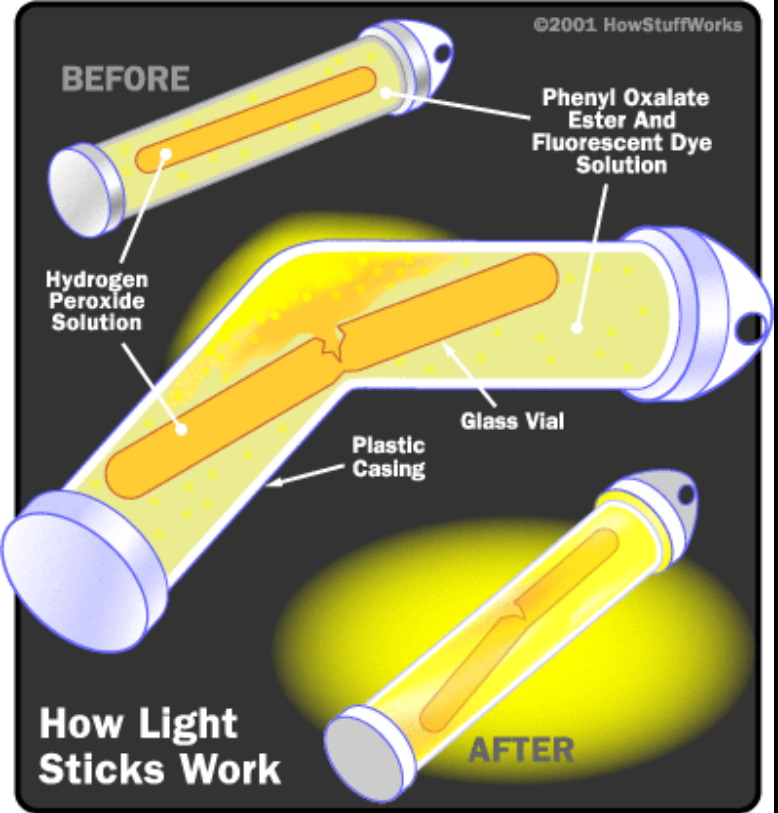
Hydrogen Peroxide Solution

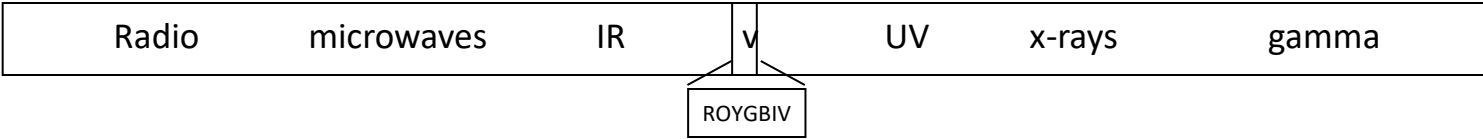
Plastic Casing

Glass Vial

How Light Sticks Work

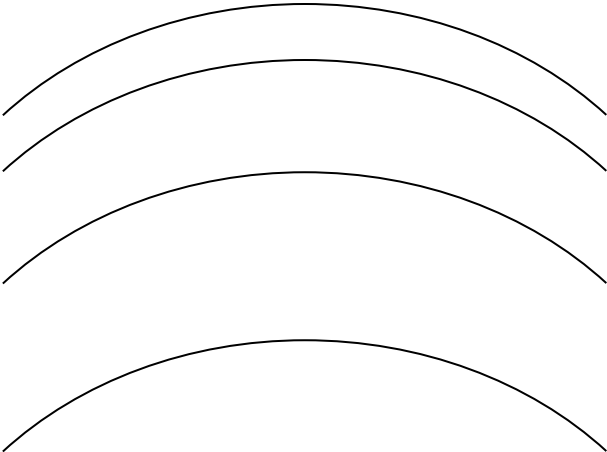
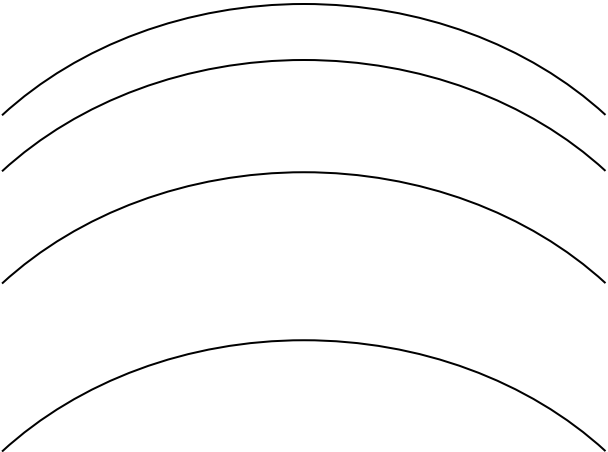
AFTER

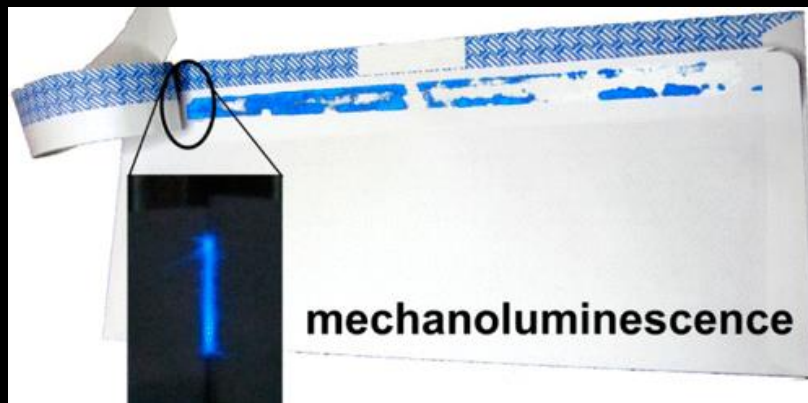
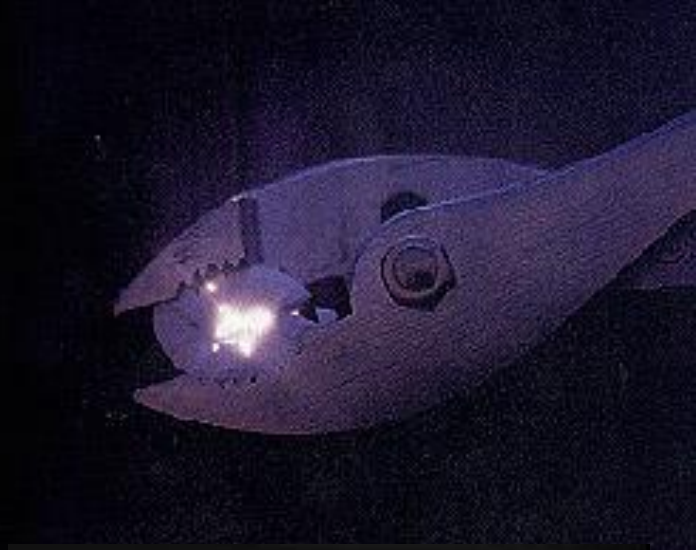


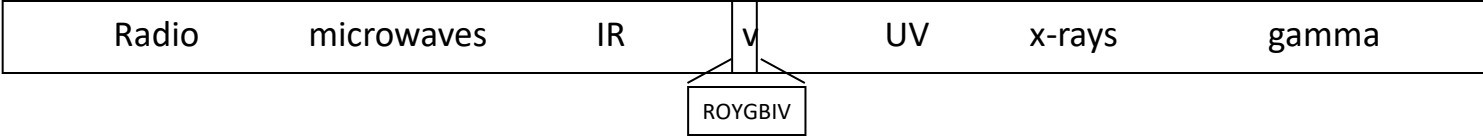


Triboluminescence

Examples

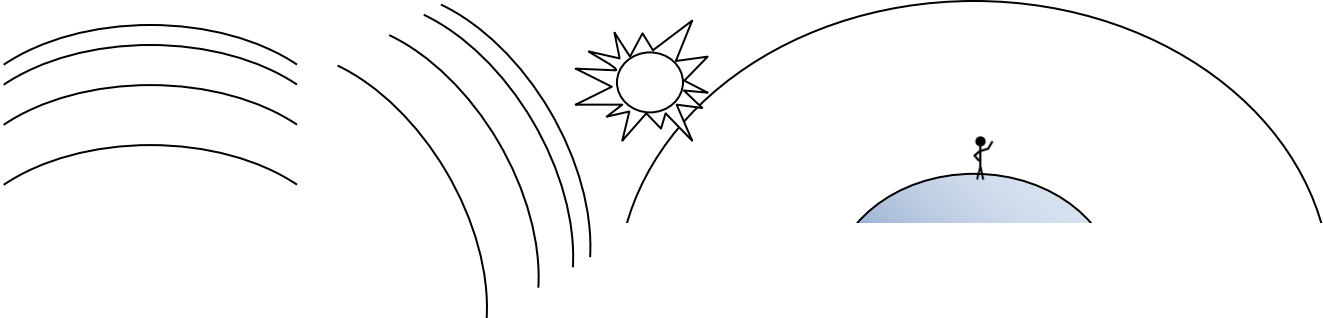


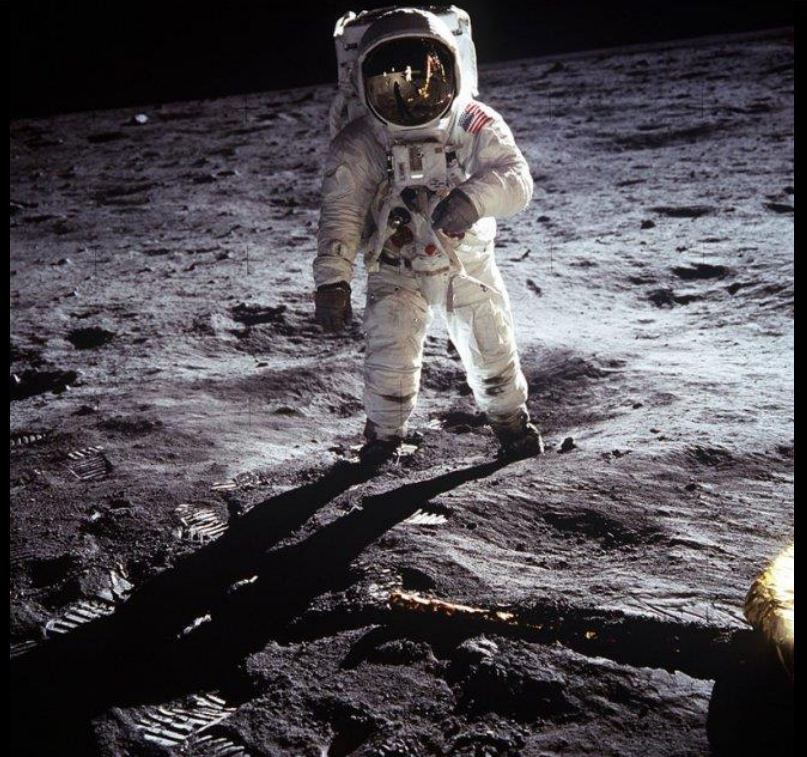


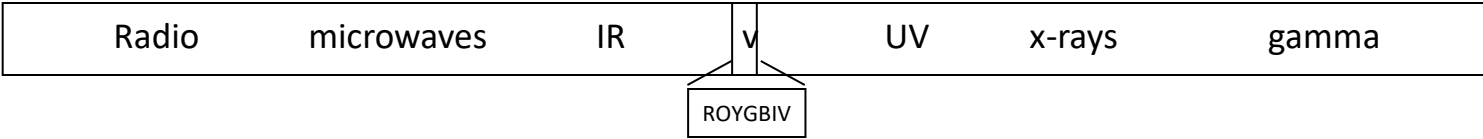


Scattering

Examples







Lasers

Examples

