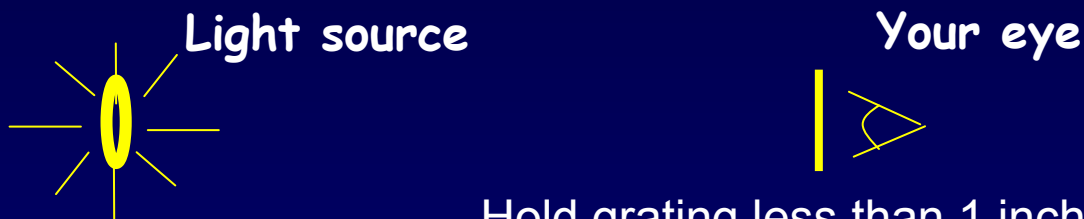


Spectroscopy Demonstration

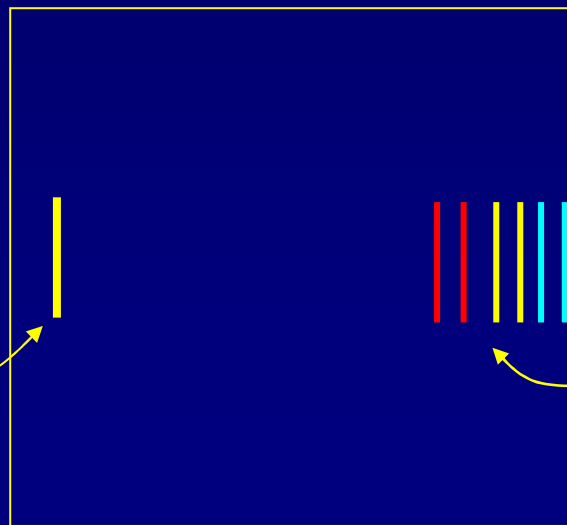
We have set up some discharge tubes with various gases. Notice that the colors of the various discharges are quite different. In fact the light emitted from the highly excited gases is composed of many “discrete wavelengths.” You can see this with the plastic “grating” we supplied.



Hold grating less than 1 inch from your eye.

Your view through
the grating:

Put light source at
left side of grating.



View spectral lines by
looking at about 45° . If
you don't see anything,
rotate grating 90° .