

Make your own CD Spectrograph

— Cut
- - - Fold

* How to Build *

① Cut a CD into pie slices, no wider than $\frac{3}{4}$ of an inch (1.9cm). If you use a protractor to measure 15 degree slices, you can get 24 slices per CD. Cut the CD using a plastic cutter (best), razor blade (2nd best), or sharp pair of scissors.

② Print this page on dark colored construction paper (Don't use black, because you won't be able to see the printed ink. We find blue or purple work well.)

③ Cut out the spectrograph by cutting along the solid lines.

④ Cut out the slit and viewing window. Cut the slit as narrow as possible.

⑤ Fold along the dotted lines. Glue the CD in place, shiny side up. (Be careful not to put fingerprints on the CD)

⑥ Put glue on the places it says "Glue Here" and fold these pieces to the inside.

⑦ You're done!! Use your new spectrograph to look at many different kinds of light.

Warning: Never look directly at the Sun!

