This open source hardware design was developed by contributors like you. Have questions? Ideas for improvement? Want to collaborate with others? Visit: PublicLab.org/paper

This template can be photocopied for reuse! For best results, use cardstock or a similar heavy paper. Make sure to do double-sided copies so the black box and slit cutout will print on the opposite side.

What you'll need:
- scissors
- tape or glue
- a butter knife or ballpoint pen
- a DVD-R

1. Cut out the spectrometer along the red lines (these may be grey if photocopied in black & white)
2. Use a butter knife or ballpoint pen to score the dotted lines for folding
3. Fold over and cut out the “windows” at A1, A2, & A3
4. “Mountain” fold along the dotted lines:
5. “Valley” fold along dashed lines:
6. Cut, peel, and attach DVD-R fragment (see A3 for directions)
7. Assemble the slit cutout on the opposite side. Tape the slit over window A2 and trim as needed.
8. Align tabs B, C, D & E and tape or glue them down.
9. Visit PublicLab.org/makespec to learn how to calibrate and use your new spectrometer!
1. Cut out bar and U-shape below, keeping lines as straight as possible.

2. Move upper piece down to form slit; glue or tape in place.

3. Align strip above this line, leaving a narrow gap for light, use a stiff card or spacer.

-- ask for this narrow - 1-2mm - or less, hold up to light to compare.