JR-ENGINEERS DIY MAGNIFIER

Can you make a magnifying glass out of plastic?

INSTRUCTIONS

STEP 1: Cut a lens shaped piece out of the neck of your 2 liter bottle.

STEP 2: Find some small print to read.

STEP 3: Add drops of water to the center of your plastic lens.

SUPPLIES

2 Liter bottle Scissors Water Dropper Small print

STEP 4: Now look at the small print through the water. Does it look any different?

THE SCIENCE

Light travels in a straight line to your eye, but can be altered when a transparent material, like glass or water, gets in the way. Did you notice how the small type became larger when you looked through a water drop? The plastic lens curves to make a dome, and this curvature bends light rays inward. This makes the object appear bigger than it is. Any clear liquid will work as a lens. Depending on what type of liquid you use, the magnification factor will vary.

www.littlebinsforlittlehands.com











Ilables belowing of spotting and one lighthouse to when they cannot in words, they the en, but I do not lead to color I have,