

# HANGING LAMP



Photo 1

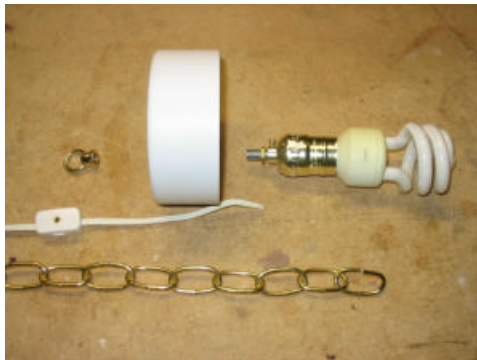


Photo 2



Photo 3



Photo 4



Photo 5



Photo 6

## Materials

10-inch length of 4-inch diameter PVC drain pipe  
4-inch PVC cap  
Electrical components  
Decorative chain  
Low wattage light bulb  
Several marbles

## Directions

Drill an appropriate sized hole in the center of the cap and assemble the electrical components as shown in Photo 2.

Next, select the pattern you'll use for the "barrel" of the lamp. I decided on a butterfly. So I went to Google Images and typed in "butterfly." I chose the pattern in Photo 3 and printed it on 8 ½ x 11-inch paper.

Note: If you're going to make and sell similar lamps, you'll need to determine if the image you use is copyrighted. For your own use, it doesn't matter.

Tape the sheet of paper with photo to the lamp (Photo 4). I made red dots (Photo 4) where I wanted to drill holes for the marbles.

Then drill the appropriate sized holes right on the paper and into the pipe. See Photo 5. The marbles I used required 5/8-inch holes. Holes should be large enough so the marbles won't quite fall through.

Finally, clean out the holes with a rat-tail file. Now you can glue the marbles into the holes using Elmer's white glue and let dry for a few hours. Insert a paper towel inside the pipe to catch any glue drips (Photo 5). I applied the glue around the edges of the holes with cotton swabs.

Thread the electric cord through the chain then glue on the cap with the electrical components attached.

Here's what I'd do for next Hanging Lamp I make...

1. Space the outline marks on the photo closer together and drill more holes to make the finished pattern clearer
2. Use smaller marbles that are available at most craft stores
3. Use colorful marbles
4. Using carbon paper, trace the pattern onto the pipe. Drill through paper is messy (see Photo 5).
5. Sand off the raised markings on the cap
6. Before assembly, paint the lamp