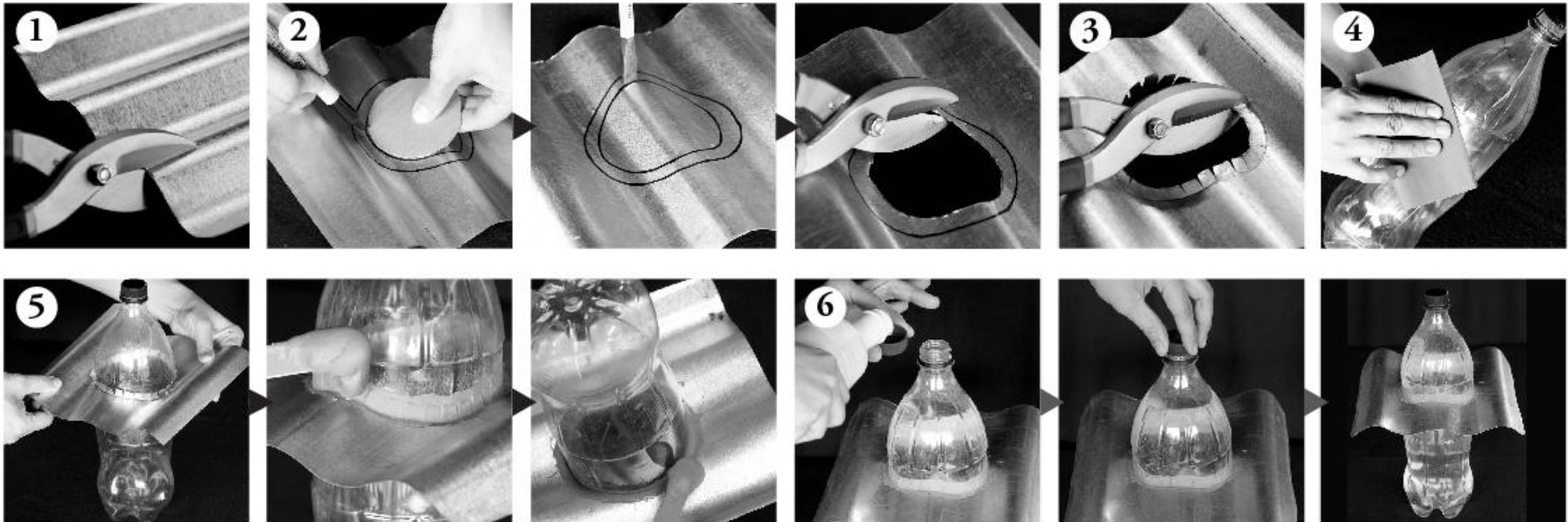


How to Assemble the Solar Bottle Bulb

Paano gumawa ng Solar Bottle Bulb



Materials:
• PET soda bottle
• Galvanized Iron (GI) sheet
• Rubber sealant
• Bleach
• Water
Tools:
• Metal Sheet Cutter
• Chisel
• Hammer
• Power drill (Bosch lithium-ion)

1 Cut approximately 9 x 10 inches of GI sheet (corrugated or flat).
Gumupit ng yero na may sukat na 9 x 10 inches.

2 At the center of the GI sheet, draw 2 circles (outer: similar to the circumference of the soda bottle; inner: 1 cm smaller). Cut the inner, smaller circle.
Sa gitna ng yero, gumuhit ng 2 bilog (labas: pareho sa sukat ng bote; loob: mas maliit ng 1 cm). Gupitin ang mas maliit na bilog.

3 Cut the 1 cm difference radially, making strips and bend upwards, perpendicular to the GI sheet.
Gupitin paikot ang natira na 1 cm sa maliliit na bahagi and itupi pataas, salungat sa yero.

4 Using sandpaper, scratch the surface around the upper third portion of the soda bottle where the GI sheet will be placed, to allow the rubber sealant to stick better.
Gamit ang sandpaper, kuskusin ang ibabaw sa may ikatlong bahagi ng bote kung saan ilalagay ang GI sheet para mas dumikit ang rubber sealant.

5 Insert the bottle into the GI sheet until the upper third. Apply rubber sealant on the strips above and around the area below. Wait to dry.
Ipasok ang bote sa gitnang butas ng yero hanggang sa itaas na ikatlong bahagi. Lagyan ng rubber sealant ang itaas and ibaba ng pinagkabit.

6 Fill the soda bottle with filtered water and ~10 mL (2 capfuls) of bleach. Cover with its original cap. You now have the Solar Bottle Bulb.
Punuin ang bote ng tubig na filtered at ~10 mL na chlorox (2 sukat gamit ang takip). Ilagay ang takip. Gawa na ang Solar Bottle Bulb!

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