

Light bulbs all day without electricity from discarded plastic bottles

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1. How does sunlight become solar energy?

Taking advantage of discarded plastic bottles, we can completely make plastic light bulbs emitting light equivalent to 55 W. electric light bulbs.



Each empty plastic bottle is filled with water and put in an extra bleach. After that, the plastic bottle is placed in a round hole carved on the metal roofing roof. During the day, bleach in plastic bottles refracts light from the Sun and disperses light around the house like a light bulb.



When equipped with a mini solar battery and LED light bulb, this plastic bottle light can illuminate at night for about 10 hours.

The use of this solar water bottle light bulb will not help many poor families but also help the environment while about 200 billion plastic bottles are thrown away every year. With a simple and effective fabrication method, anyone can make a water bottle light without electricity for their home to reduce their monthly electricity bill.

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