

ENERGY EFFICIENCY EXPERIMENT

What you will need:

Three identical plastic cups, a styrofoam cup, foil, sheets of paper and some ice cubes.



1



Place **two ice cubes** into each of the plastic cups.

2



Place the first plastic cup inside the styrofoam cup. Cover the outside of the second cup with the foil. The remaining cup will be the control cup and can be left as is. Place a piece of paper over the tops of each of the cups.

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3



Leave the cups outside for **5-10 minutes.**

4

When the time is up, check on the cups and see which one is the coldest. This will be determined by how much the ice cubes have melted in each of the cups.

Result: The cup inside the styrofoam should be the coldest, as the styrofoam acts as an insulator and keeps the ice cold against the sun's heat.