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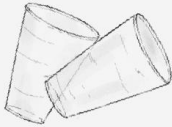


SALTWATER LIGHT BULB

DIY



YOU'LL NEED:



2 PLASTIC CUPS



MAGNET



LIGHTBULB



SALT



WATER

INSTRUCTIONS

1

TAKE ONE OF THE PLASTIC CUPS AND CUT OFF THE BOTTOM.

THEN CUT ENOUGH OF THE TOP PART OF THE CUP FOR IT TO BE ABLE TO SUPPORT YOUR LIGHTBULB WHEN WE INSERT IT INTO ANOTHER CUP.



FIRST STEP

2

POUR THE DISTILLED WATER IN THE SECOND CUP UNTIL IT IS HALF FULL.

ADD 3 TBSP OF SALT TO THE WATER AND MIX UNTIL COMPLETELY DISSOLVED.



SECOND STEP

3

INSERT A MAGNET INTO THE WATER.

THEN INSERT THE SUPPORTING CUP WITH THE LIGHTBULB INTO THE CUP WITH THE WATER, SO THAT THE BOTTOM OF THE LIGHTBULB TOUCHES THE LIQUID.



FINAL STEP



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WIND TURBINE (DIY)



YOU'LL NEED:

- CARDBOARD TUBE**
- COFFEE CUP**
- SCISSORS**
- PEN**
- PIECE OF CARDBOARD OR THICK PAPER**
- WOODEN SKEWERS**
- CORK**
- STRAW**
- STRING**
- TAPE**

INSTRUCTIONS

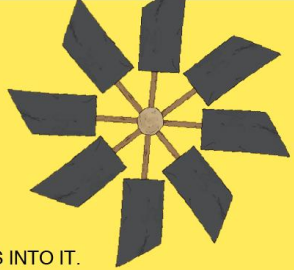
1

FROM A CARDBOARD OR THICK PAPER CUT OUT THE BLADES OF WIND TURBINE. LONG RECTANGLES ARE A SIMPLE OPTION.

MAKE SURE THAT YOUR SKEWERS ARE 3 CM LONGER THAN THE BLADES.

ATTACH EACH BLADE TO THE END OF THE SKEWER USING TAPE.

EVENLY POSITION THE BLADES AROUND THE CORK BY POKING BLADED SKEWERS INTO IT.



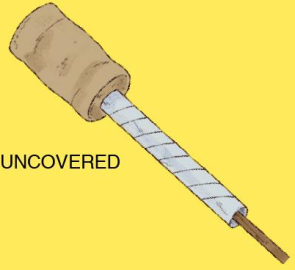
FIRST STEP

2

TAKE THE EXTRA SKEWER AND POKE IT INTO THE END OF THE CORK TO MAKE THE SHAFT.

THREAD A STRAW ONTO THE SKEWER, LEAVING A 1 CM PART OF THE SKEWER UNCOVERED (CUT THE STRAW, IF NEEDED).

THIS WILL ALLOW THE SHAFT TO SPIN FREELY INSIDE THE STRAW.




SECOND STEP

3

ATTACH THE TAKEAWAY PAPER CUP TO THE CARDBOARD TUBE USING TAPE. THIS WILL SERVE AS A BASE FOR OUR TURBINE.

TAPE THE STRAW TO THE TOP OF THE CARDBOARD TUBE.



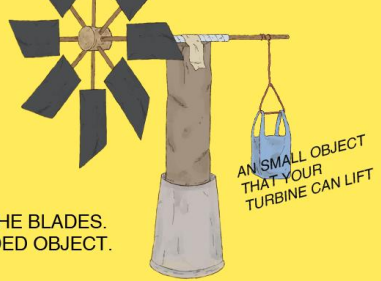
THIRD STEP

4

ATTACH A PIECE OF STRING TO THE END OF THE SKEWER THAT'S STICKING OUT OF THE STRAW.

WIND THE STRING AROUND THE SKEWER AND ATTACH YOUR OBJECT TO THE END OF IT.

TAKE YOUR WIND TURBINE OUTSIDE AND WATCH THE WIND ROTATE THE BLADES. AS THE BLADES MOVE, THE SHAFT TURNS, LOWERING YOUR SUSPENDED OBJECT.



AN SMALL OBJECT THAT YOUR TURBINE CAN LIFT

FINAL STEP