

Make Your Own Water Wheel

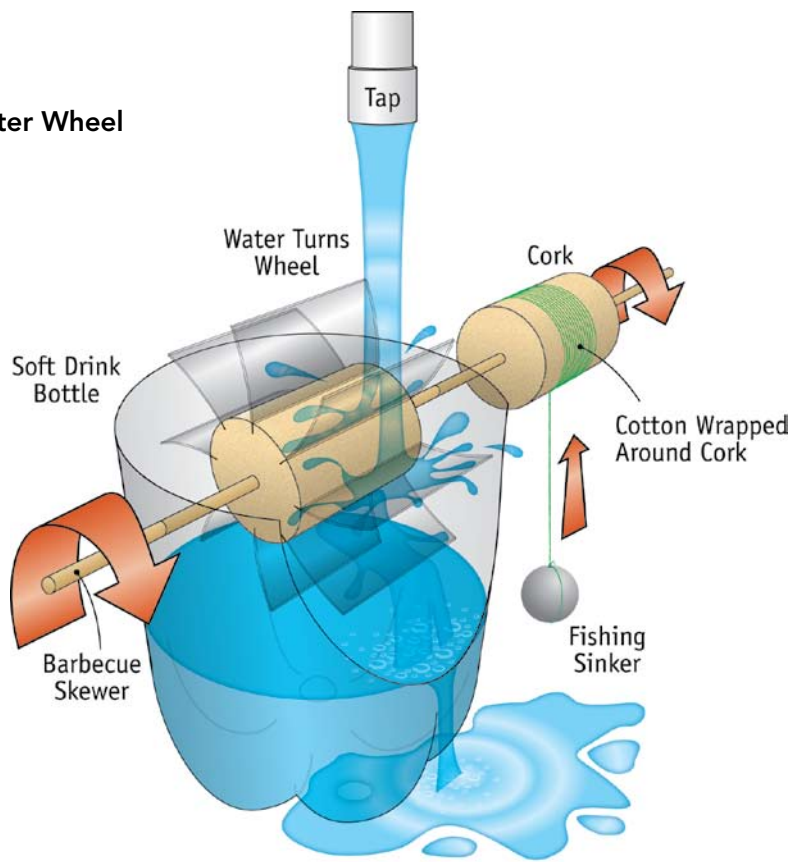
What you need:

- Plastic 1.25 or 2 litre drink bottle
- Wooden barbecue skewer
- 2 corks
- Cotton thread
- Weight (fishing sinker or blu tac or other)

What you need to do:

1. Cut a plastic drink bottle into three pieces. The bottom and middle sections should be at least 8cm deep. Cut 4 strips 2cm wide from the middle section and then cut each 8cm strip in half so you have 4 strips (blades) 4cm by 2cm.
2. Draw 8 lines evenly around a cork and cut slits down these lines with a blunt knife. Push a plastic strip blade into each slit making sure each blade curves in the same direction around the cork. (See the diagram on the next page).
3. From the base section of the bottle cut out a side section to allow water to flow out. Pierce 2 holes on opposite sides of the base just below the top rim.
4. Cut a wooden skewer in half. Feed each half through a hole in the rim of the bottle base and push each skewer half into each end of the cork. Make sure this is firm and the skewer halves can turn freely in the holes.
5. Put a second cork on the end of one of the skewers. Tie a length of string around the cork and attach a weight to the free end. Put your water wheel under a tap or other flow of water and slowly turn on the water.
6. Watch to see if the energy of the falling water can lift your weight.

A Water Wheel



Created by GreenpondTSG

Your Notes

Blank area for taking notes.