

MOST*

Water Wheel

Materials

- 2 Heavy duty paper plates
- 6 Plastic cups
- Wooden skewer or pencil
- Duct tape

Instructions 1

Poke a hole in the center of both plates. On the bottom of one of the plates, tape on the cups so that the bottoms of the cups are facing the center of the plate and the opening is touching the outer edge of plate's inner ring.

2 Put the skewer through the holes in the plates so the cups are sandwiched between the two plates and with a little bit of tape attach each of the cups to the second plate. Now see what happens when you run water over the cups of the wheel. Why do you think the wheel spins?



3 The weight of the water in the cup allows gravity to work on the cup which falls and dumps out the water which allows it rise up again with the weight of the water in another cup. This cycle of movement makes the wheel spin. What could we use this water wheel for? What could we use the water power for? Would the wheel still work if the water was not moving? How could we make water that is not moving move? Where would be the best place to put a water wheel?

