

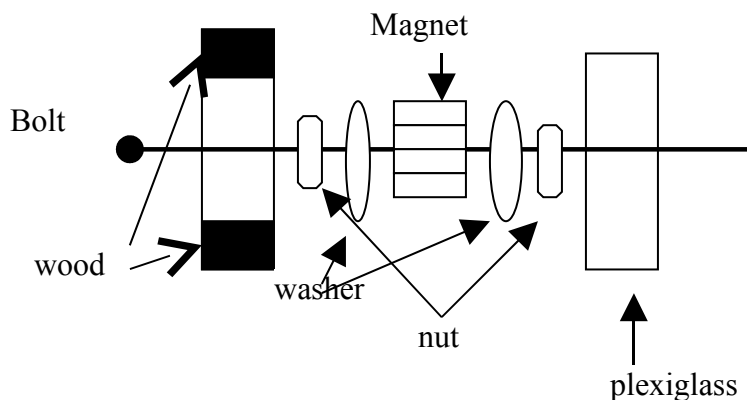
Simple Electric Generator

Parts:

2 pcs plexiglass
1 roll of red wire or 2 rolls of green wire
4 small screws
1 bolt, 2 nuts, 2 washers
Magnet set – 4 large, 2 small
Roll of tape
sandpaper

CONSTRUCTION

Slide the bolt into one plate. Put a nut and then a washer on the bolt. Now stack magnets on either side of bolt. Two large magnets on either side with 2 small magnets wedged into the gap on either side. Place a washer on the other end of the magnets and a nut. Use two wrenches to tighten nuts. Now attach second plexiglass plate. Slide the wood in between the plexiglass lined up with the shorter side of each rectangle. Screw the plexiglass to the wood on each side through wholes in the pexiglass. Spin the bolt, it should spin easily.



Take the spool of wire and tape one end of the wire to the side of the box leaving about 10cm hanging. Wrap the wire around the box (narrow way) staying as near to the middle as possible. Count the number of times you wrap the wire around. It is ok to cover the bolt if need be. Leave 10 cm at the end. Tape off so it does not unroll.

Now separate the wire that is around the bolt and tape such that it gives the bolt clearance to spin.

Use the sandpaper to scrape off the ends of each wire exposing some of the metal underneath.