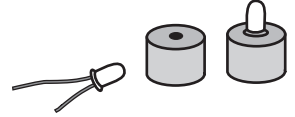


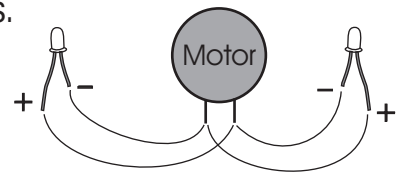
1 Fix a pulley on the motor shaft.



2 Make holes in two bottle caps and mount L.E.D.s.

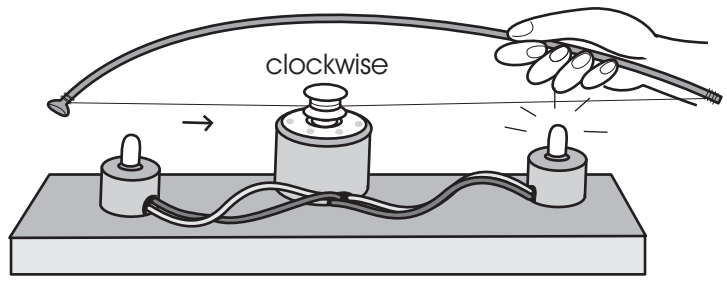
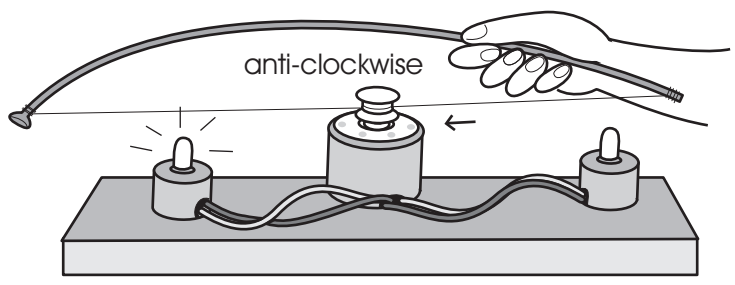
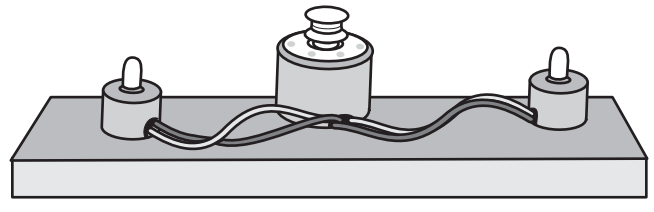


3 Attach the two L.E.D.s to the motor terminals as shown.



4 Fix the motor and L.E.D.s on a wooden base. On flicking the pulley clockwise the left L.E.D. will light. On flicking the pulley anti-clockwise the right L.E.D. will light.

5 Use a string bow to spin the pulley continuously. Move bow back and forth to see L.E.D.s glow alternately.



The motor produces Alternating Current. On the other hand the L.E.D.s run only on Direct Current. They light up only when current flows in a particular direction.