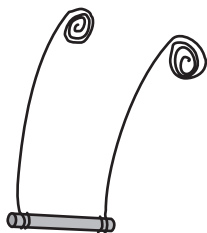
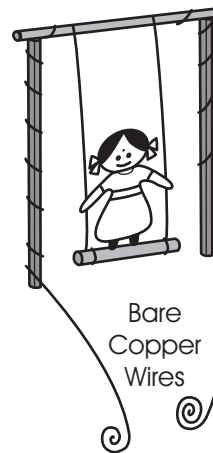


- 1 Join two 40 cm long bare copper wires to the two ends of a 5 cm long bare copper rod.

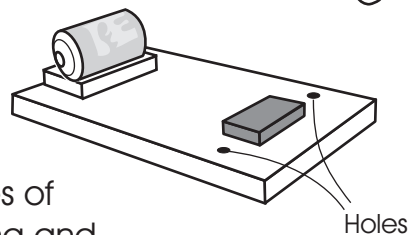


- 2 Hang the wires on an inverted U-shaped swing made from two pencils and a stick.

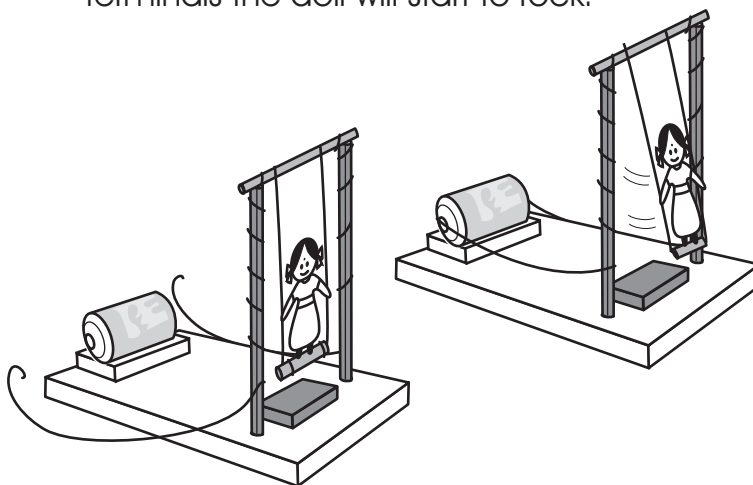


- 3 Glue the doll to the copper rod seat.

- 4 Stick a strong magnet and place a battery on the rubber base as shown.



- 5 Stand the swing in the two holes of the rubber base. On connecting and disconnecting the wires to the battery terminals the doll will start to rock.



When current passes through the copper rod it becomes an electro-magnet and is attracted to the permanent magnet. The repeated on-off current makes the doll swing.