

Unit 3 – Generation of Electricity(4)

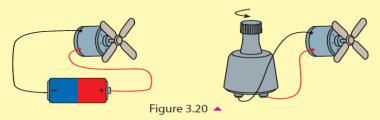
> Direct current and alternating current

Activity 3.13

You will need:- Two dry cells, a small fan, a bicycle dynamo, a few pieces of connecting wire, a small DC motor

Method:-

- Connect the dry cell to the small DC motor as shown in the Figure 3.20. Fit the small fan to the motor.
- Record the observations.
- Connect the dynamo instead of the dry cell.
- Record the observations.



Activity 3.14

You will need: Two dry cells, two LEDs of different colours, a center-zero milliammeter, a bicycle dynamo, a few pieces of connecting wire

Method:-

- Connect two LEDs and the milliammeter as shown in the figure 3.21.
- Connect two dry cells to X and Y ends as shown in the figure.
- Record the observations.
- Change the terminals of the dry cells.
- Record the new observations.
- Instead of the dry cells, connect the dynamo to X and Y ends.
- Record the observations when the dynamo is rotated.
- Discuss the conclusions that you can arrive, according to the observations.

