**Activity 4**

**Aim:** To demonstrate the process of electromagnetic induction.

**Material required/used:** \_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Diagram:**

**Procedure:**

1. Take a hollow cylindrical pipe and wind a large number of turns of well insulated copper wire on it.
2. Clean the 2 ends of the wire and attach a torch bulb to it.
3. Take a bar magnet and move it rapidly towards the centre of the pipe.

**Observation:**

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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**Inference:**

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