



കൈ നോപ്പ് ഉപയോഗിച്ച് കഴുകുക
സാനിറ്റൈസർ ഉപയോഗിക്കുക
മാസ്ക് ധരിക്കുക
സാമൂഹിക അകലം പാലിക്കുക



MALAPPURAM EDUCATIONAL DISTRICT FIRST BELL SUPPORTING MATERIAL

PHYSICS

CLASS : 10 CHAPTER : 3 ELECTROMAGNETIC INDUCTION PART1

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KITE VICTERS STD 10 Physics class 15 (First Bell-എസ് മെമ്പർ)

1. It is possible to convert electrical energy to other forms. Write the energy conversion in the following equipments

DEVICE	CHANGE IN ENERGY	
Electric bulb	Electrical Energy
Immersion heater	Electrical Energy
Electromagnet	Electrical Energy

2. You are very familiar with solar cell. Write the energy conversion in it?

3. Look at the figure of the experiment using barmagnet, solenoid and galvanometer

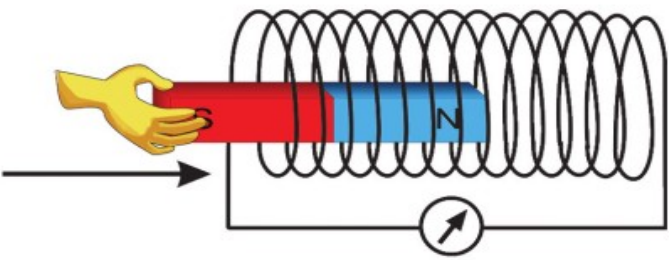


fig A

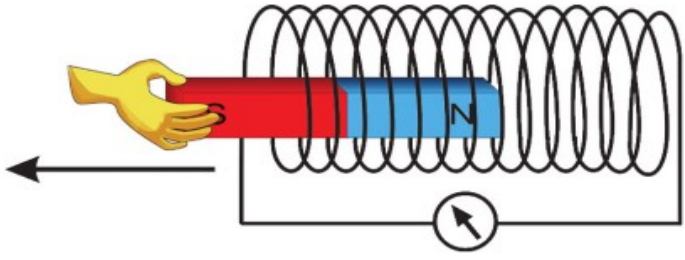


fig B



കൈ നോപ്പ് ഉപയോഗിച്ച് കൃത്യമായ
നാനിരൈപ്പർ ഉപയോഗിക്കുക
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PHYSICS

a. Complete the table

Sl. No.	Experimental procedure	Observation (Galvanometer needle)	
		Deflects/ does not deflect	Direction to the left/ to the right
1	The magnet is stationary near the solenoid		
2	North pole of the magnet is moved into the solenoid		
3	The magnet is stationary inside the solenoid		
4	The magnet is moved out of the solenoid.		
5	The south pole of the magnet is moved into the solenoid		
6	Magnet and solenoid are moved in the same direction at the same speed		
7	The solenoid is moved keeping the magnet stationary		

b. Name the phenomenon in which electric energy is produced due to the relative motion between magnet and solenoid