



Silent Bells



ഫസ്റ്റ് ബെൽ - അനുബന്ധ പഠനസഹായകസാമഗ്രി

Class:10

Subject:Physics

Date:05/08/2020

WorksheetNo:7

<https://youtu.be/pl2xe5n1uew>

Lesson & LO :Electromagnetic Induction

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

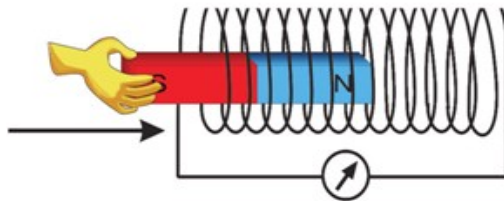
Electric bulb
Immersion heater
Electromagnet

Electrical Energy
Electrical Energy
Electrical Energy

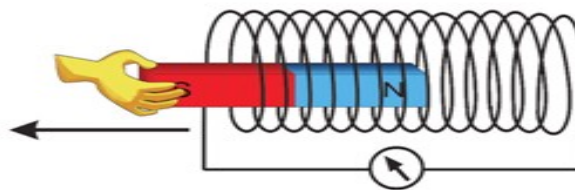
2. You are very familiar with solar cell. Write the energy conversion in it?

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

A)



B)





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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 in to 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