

Summary Table - Turn On a Light

GROUP 2 -

Phenomenon: Soccer Ball

Guiding question: How does playing soccer cause the ball to light?

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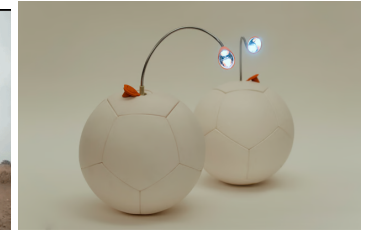


Supporting phenomenon	Link to work	What we did	What we figured out	How does this connect to the phenomenon
Solar cat	Link	We modelled how we thought the energy transferred from light, to the solar panel to go on and make the tail oscillate	That the solar cell generates an EMF in a circuit containing an electromagnet, which is the main component that allows energy to transfer, and a capacitor that stores charge	Likely contains a capacitor for storing charge, and an electromagnet for transferring energy
Magnet drop	Link	We tested the resistivity of pipe vs fall time.	As resistivity decreases, time increases	Magnet moving relative to conductor generates an EMF in the conductor
Battery train	Link			
Motor spin	Link			

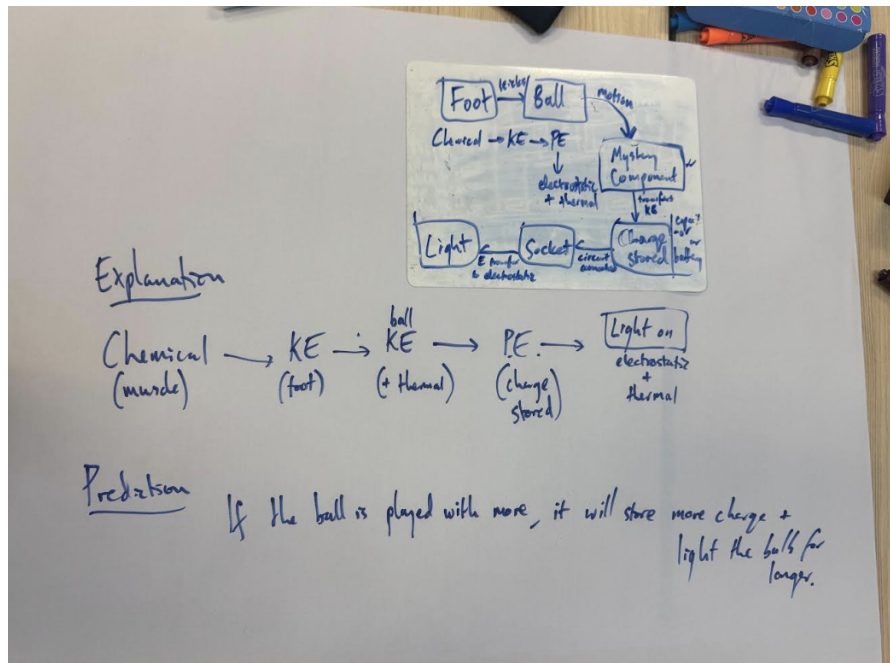
Turn on a light	Link			
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Draw a model of the soccket ball that answers the following question

How does playing soccer cause the ball to light?



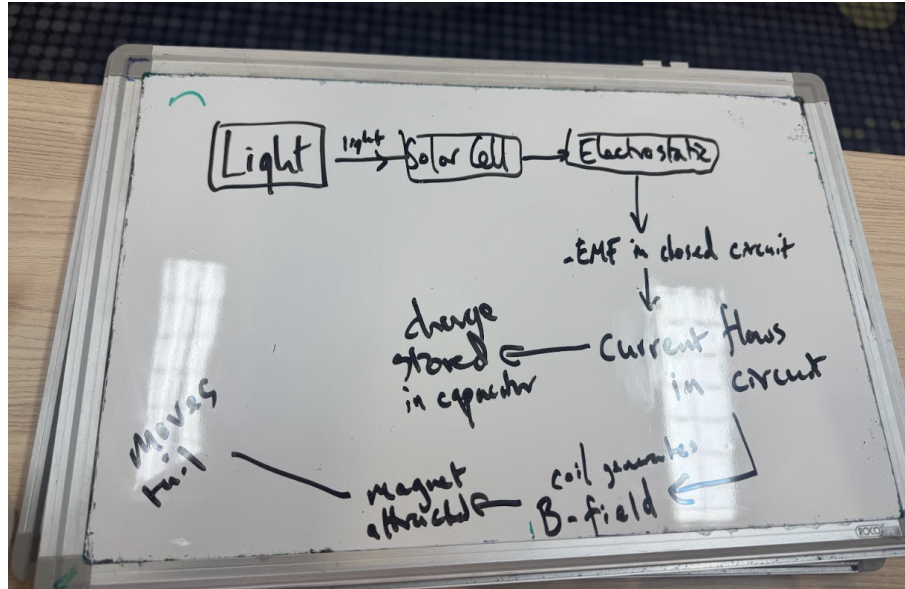
Initial Model



Final Model

Solar cat - [Back to summary table](#)

Show your work below (i.e. text, model images, questions, data etc.)



Magnet drop - [Back to summary table](#)

Show your work (i.e. text, model images, questions, data etc.)

Battery train - [Back to summary table](#)

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Motor spin - [Back to summary table](#)

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Turn on the light - [Back to summary table](#)

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