

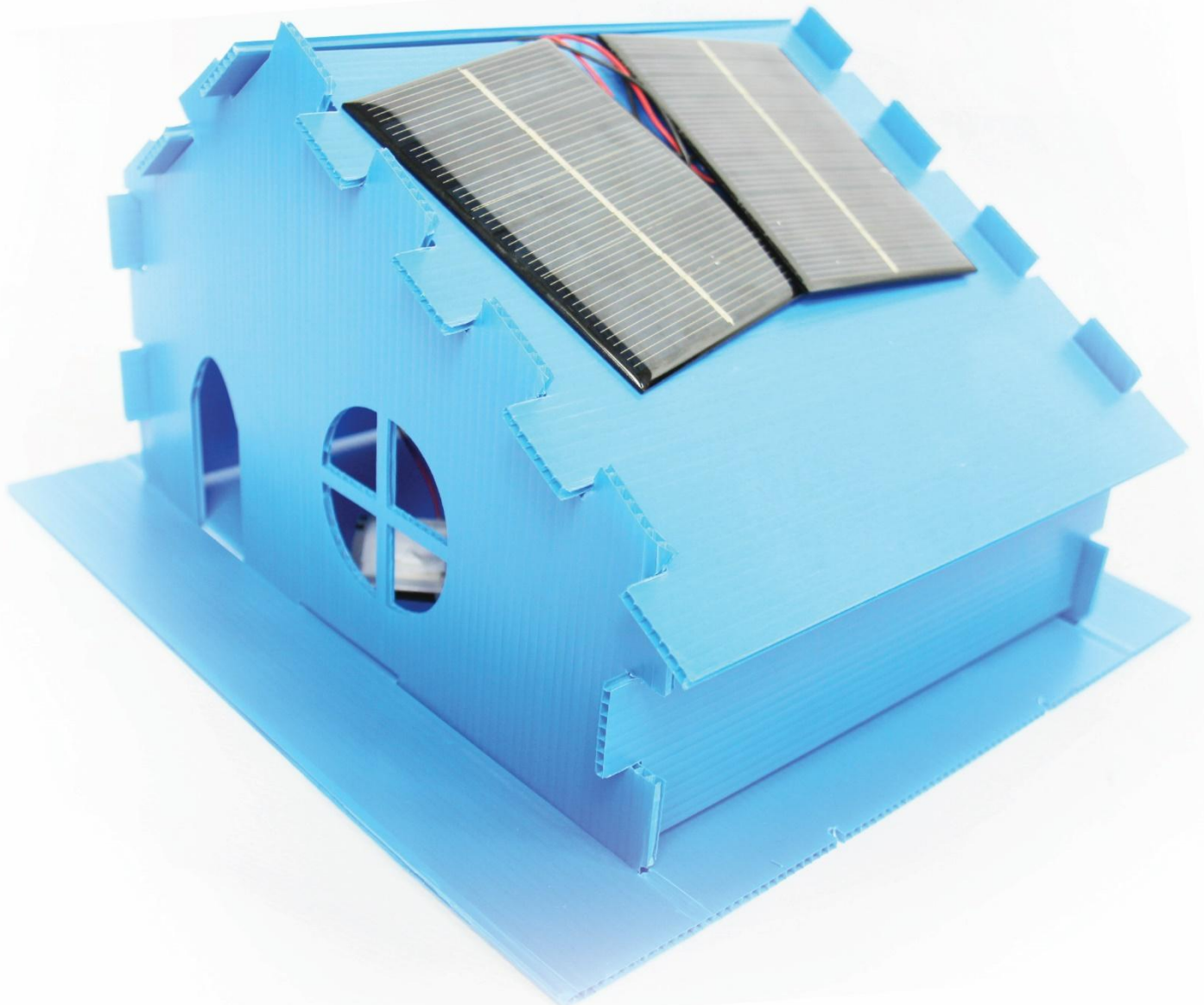


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Think Explore Make

SOLAR HOUSE

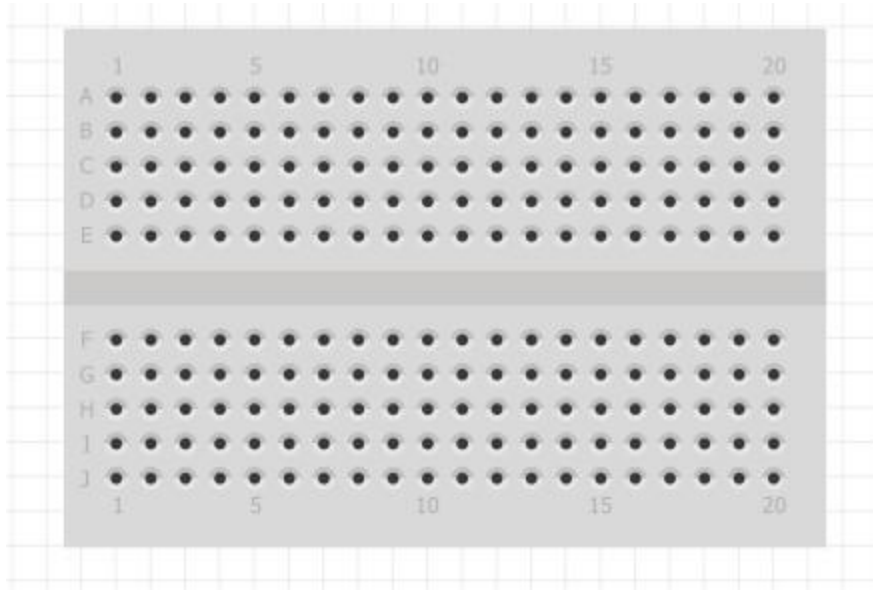
12

SOLAR POWERED ALARM
CLOCK

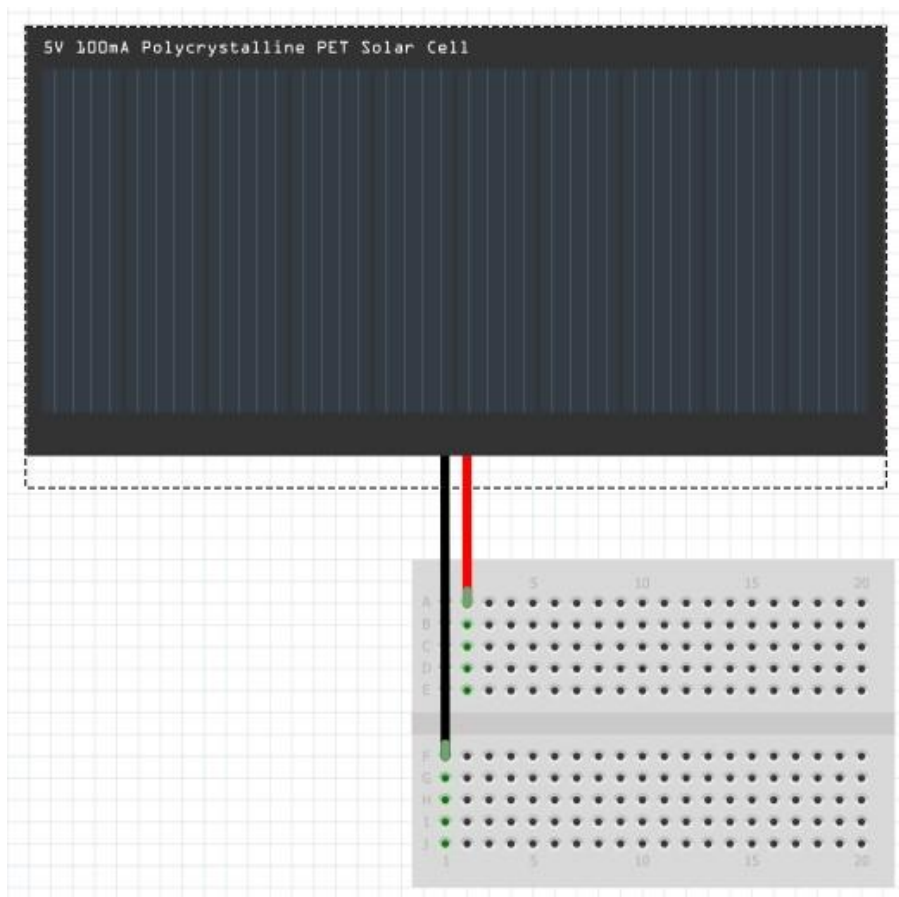


Activity Manual for Solar House

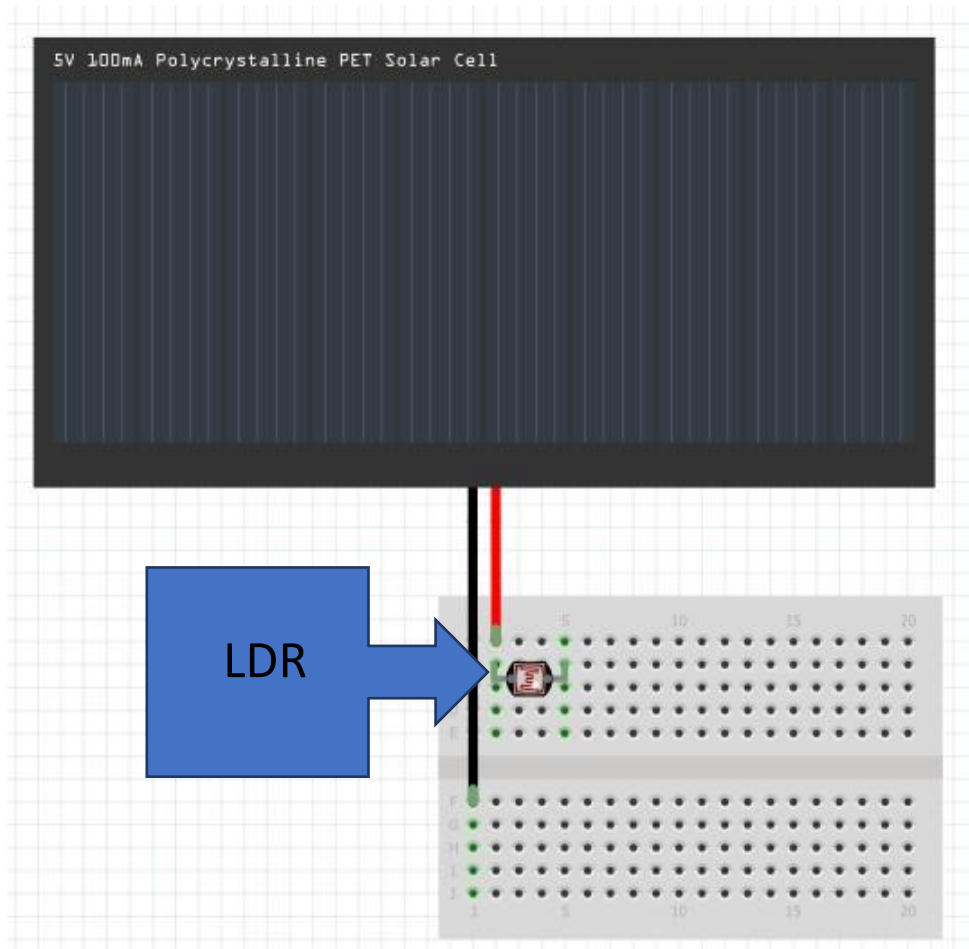
1. Take a bread board.



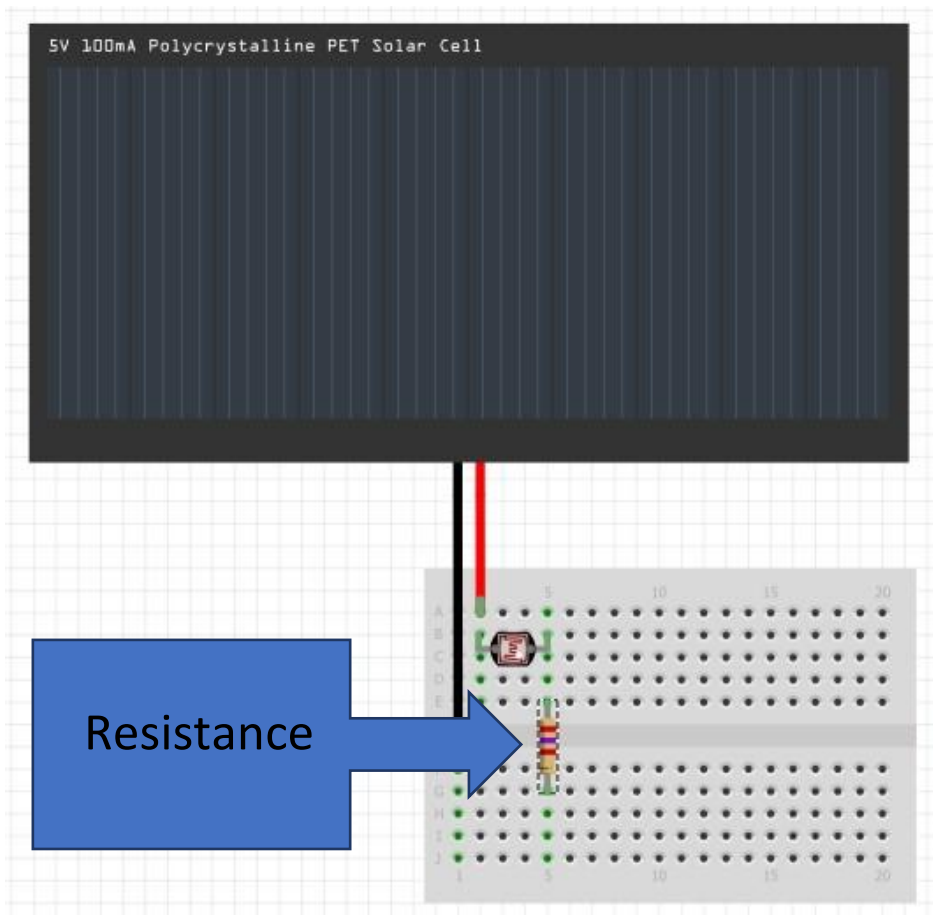
2. Attach a Solar Panel as shown.



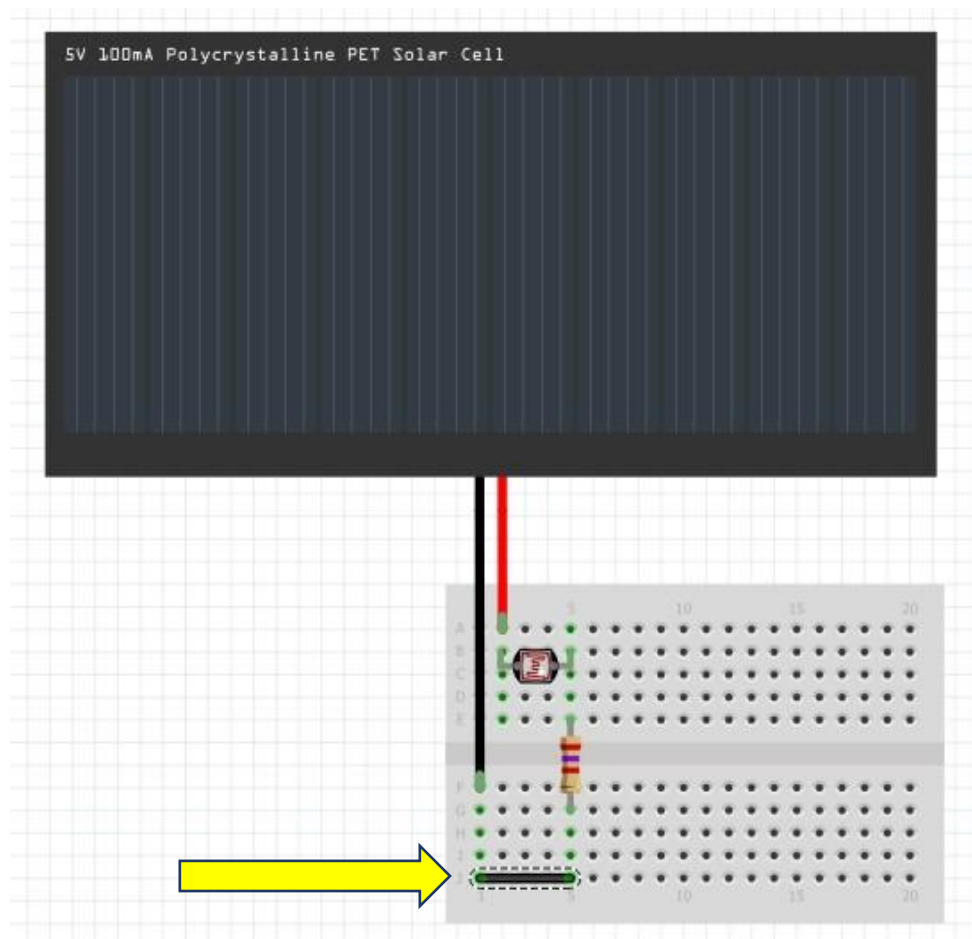
3. Attach a LDR as shown.



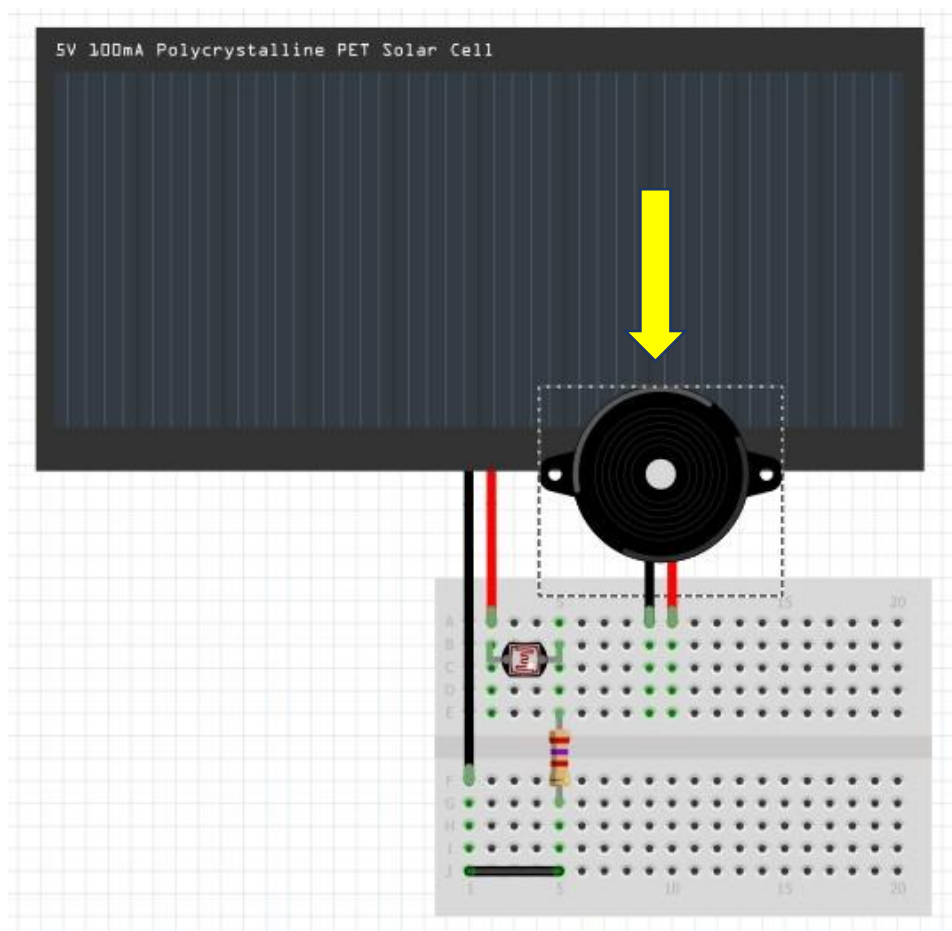
4. Connect a resistance of 2.7 K Ohm (2,700 Ohm) as shown. (To read the color code of a resistance kindly refer to the [How to Read the Color Code of a resistance Manual](#) from our website)



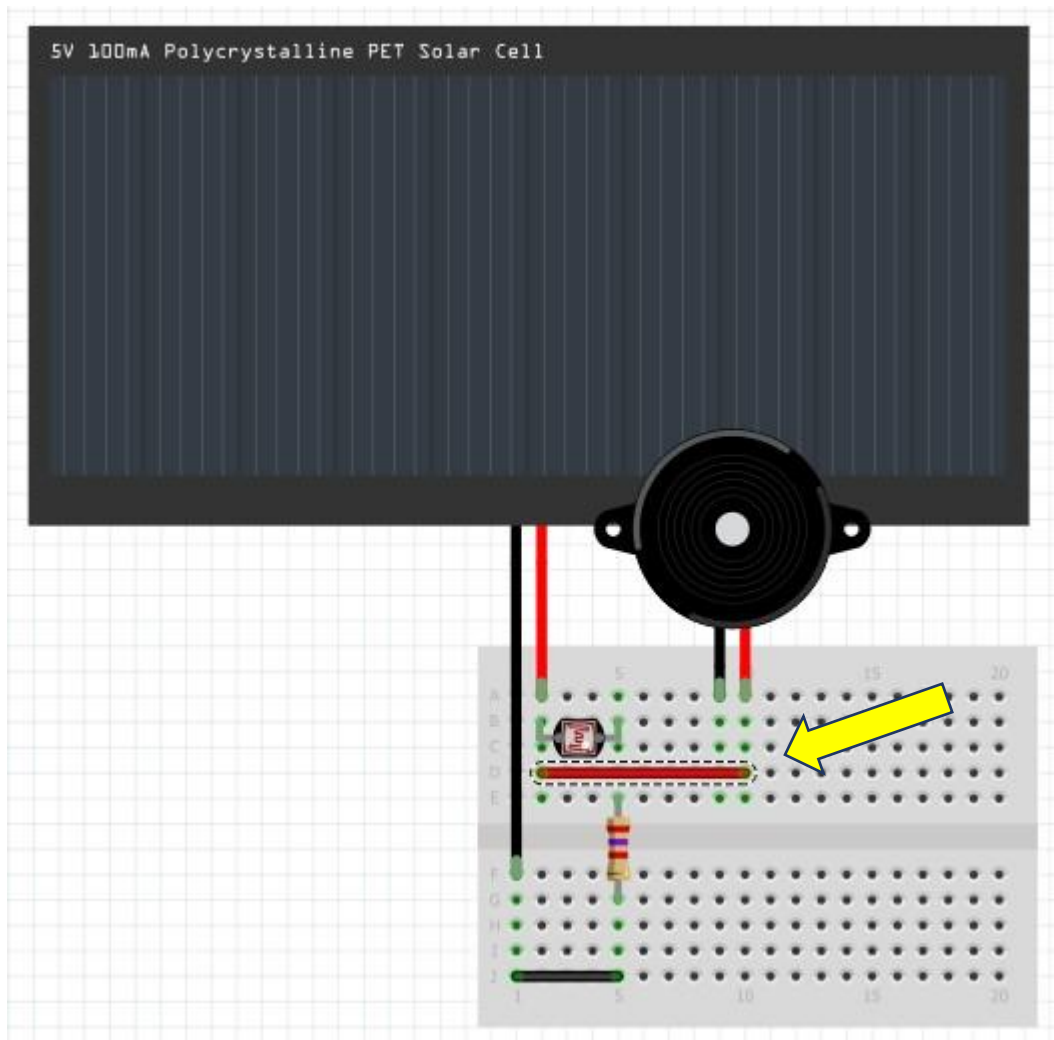
5. Make connections as shown.



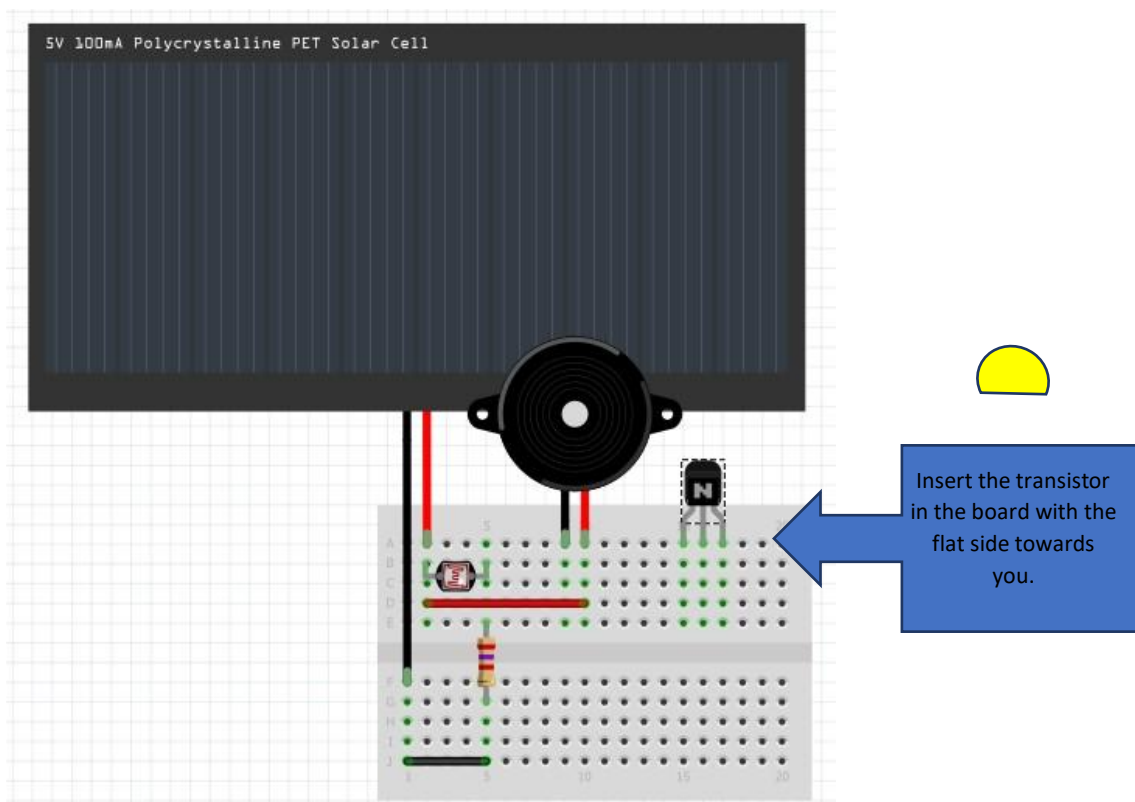
6. Connect the Buzzer as shown.



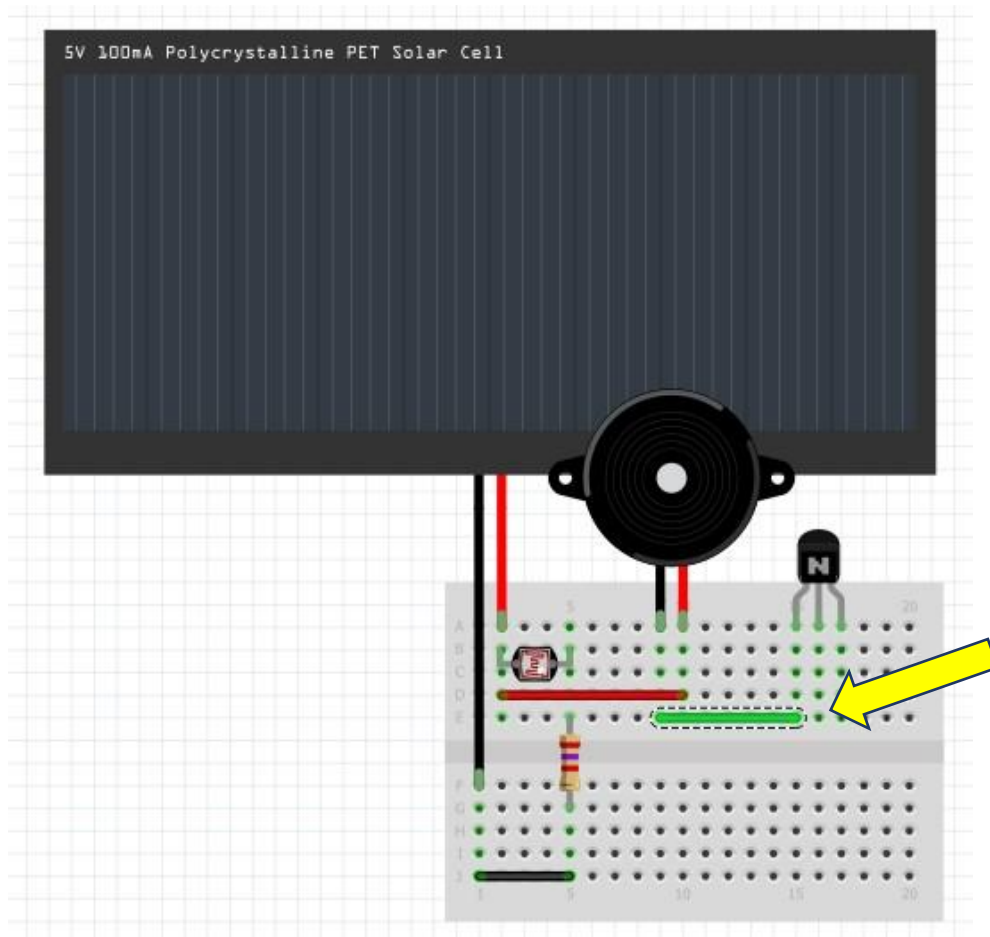
7. Attach the connecting wire as shown.



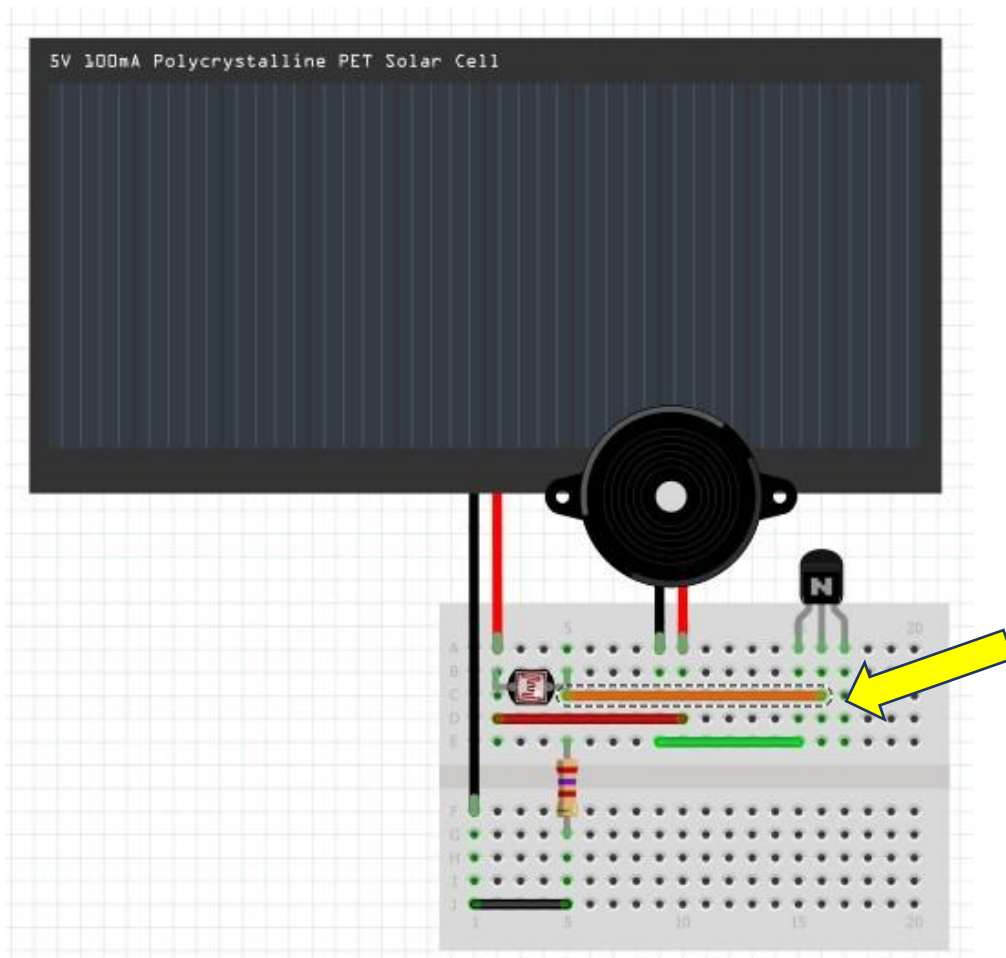
8. Attach a transistor as BC547 you can see it written on the back of the transistor.



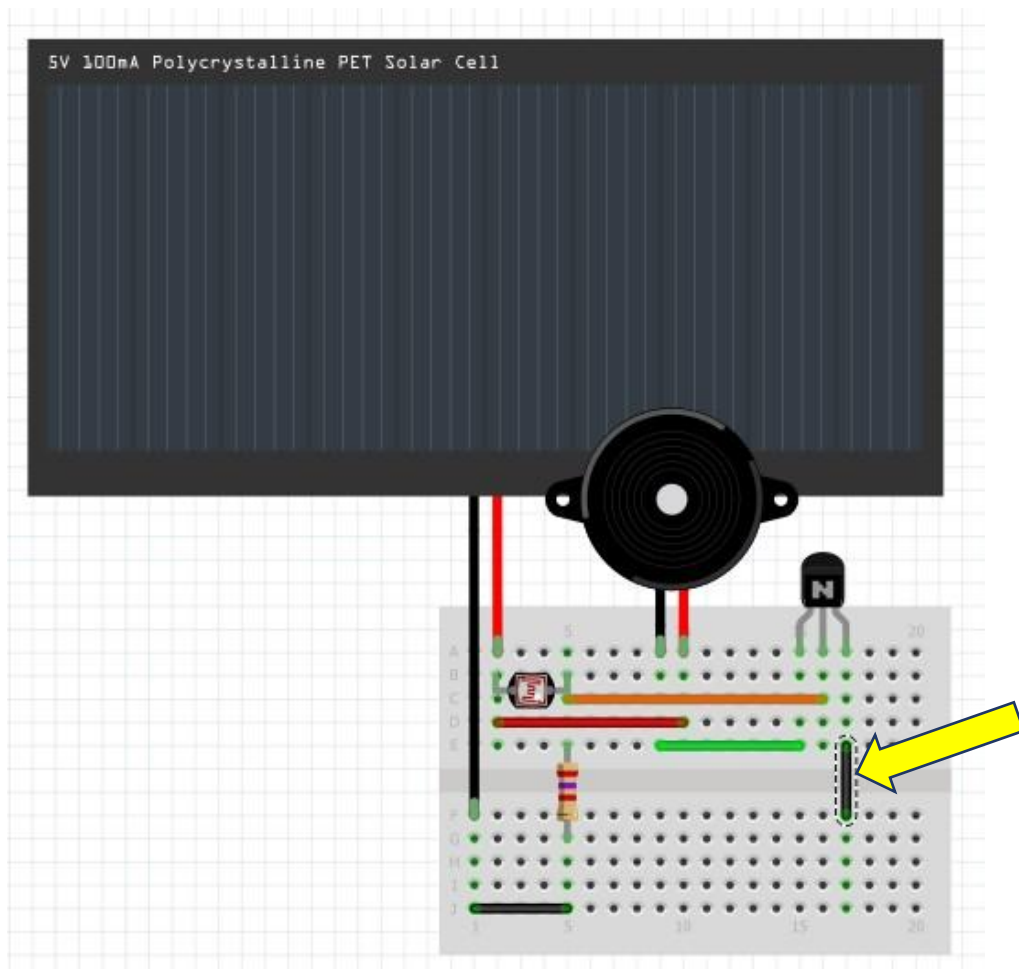
9. Make connection as shown.



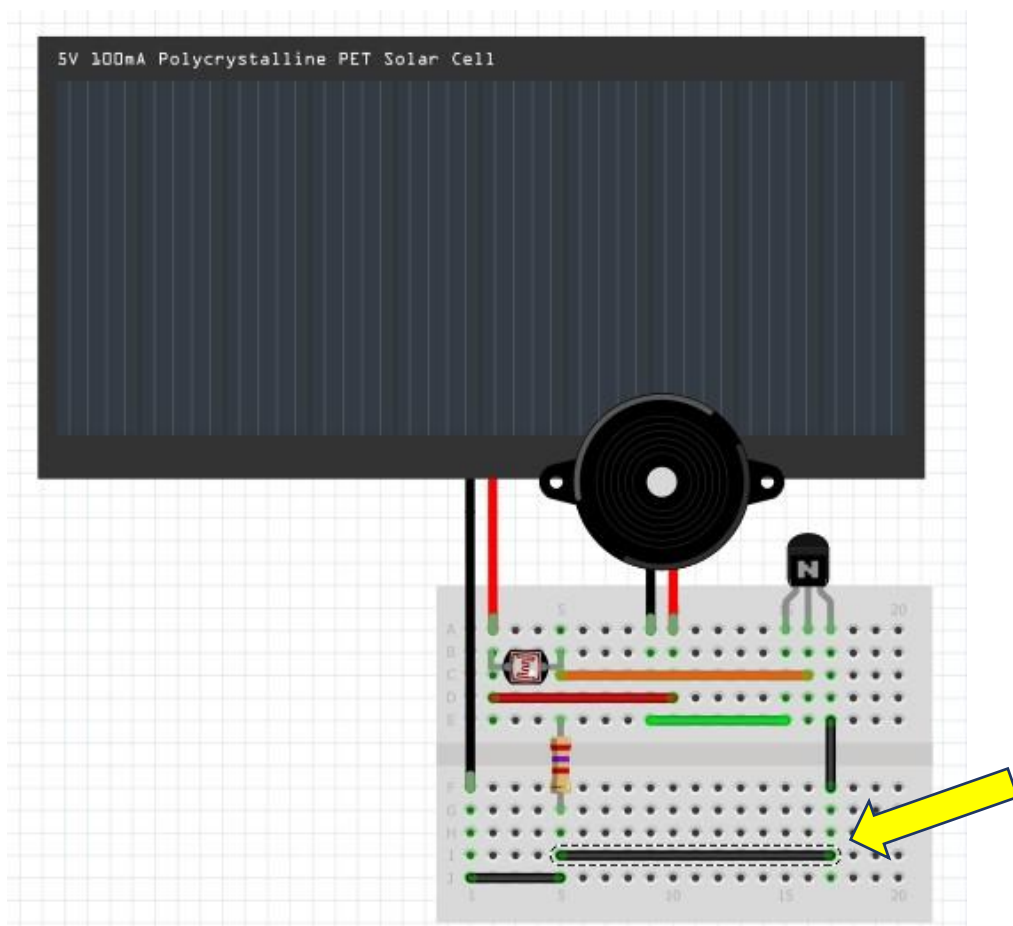
10. Make the connection as shown.



11. Make the connection as shown.



12. Make the Connection as shown.



13. Congrats! Your circuit is now complete.
14. Now take your circuit out in the bright sunlight. Put your thumb on the LDR and the buzzer will remain silent but once you remove your thumb from the LDR, it will detect the sunlight and will start to buzz.