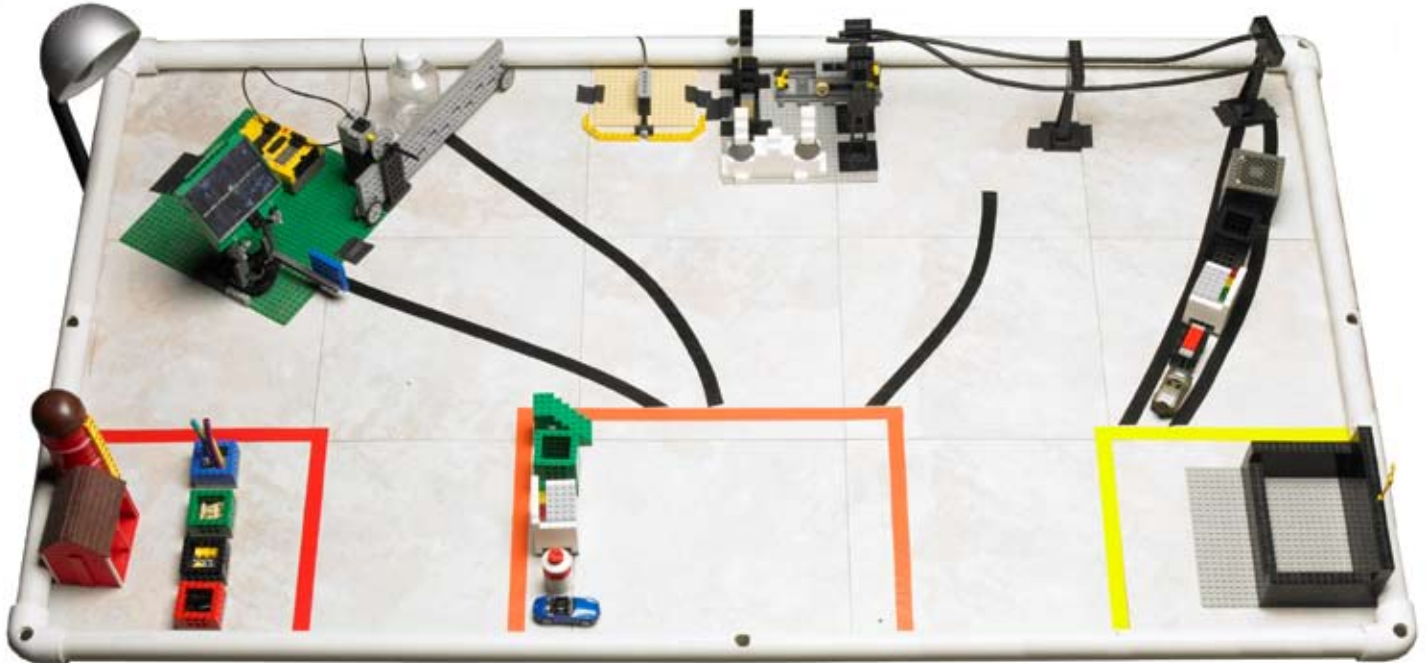
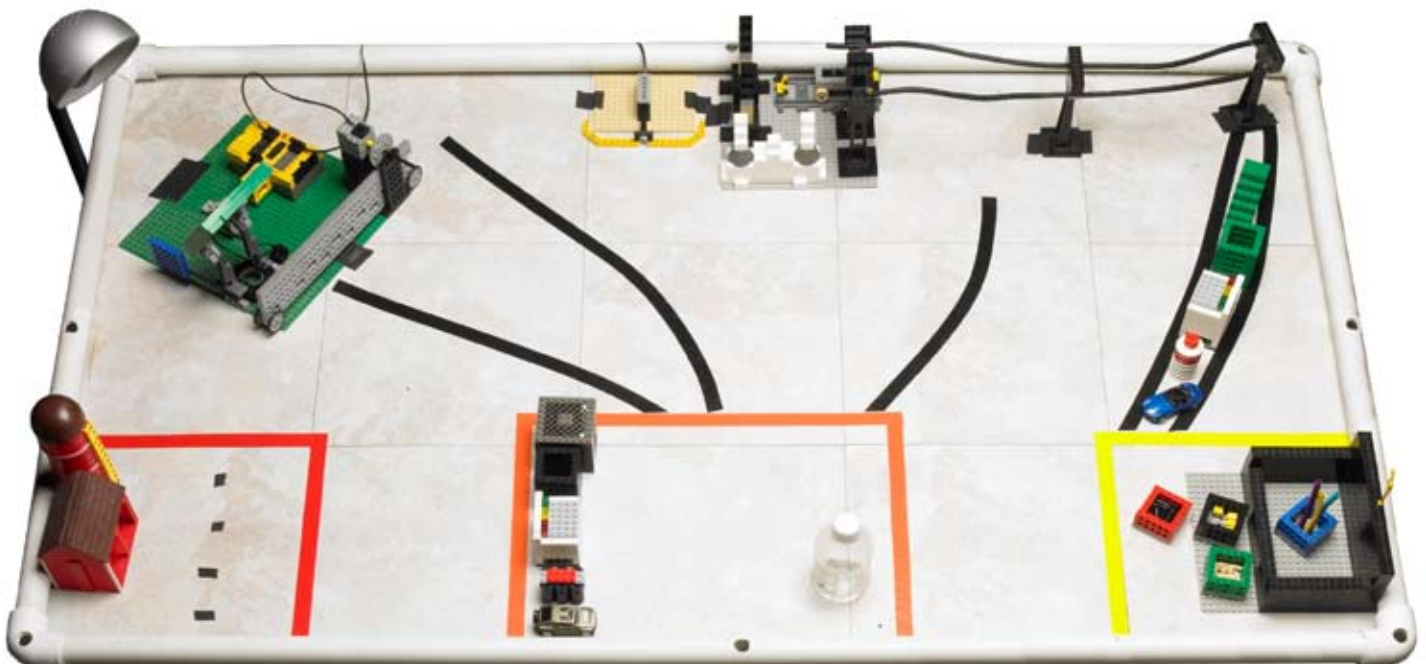


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The playing field

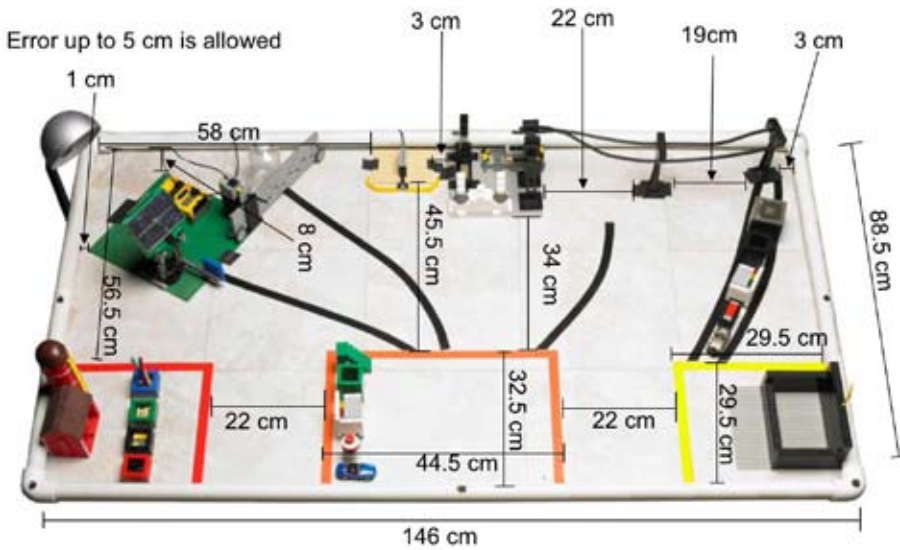


The playing field with all tasks completed

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Measurements, Components and Notes



Components for One Task Table

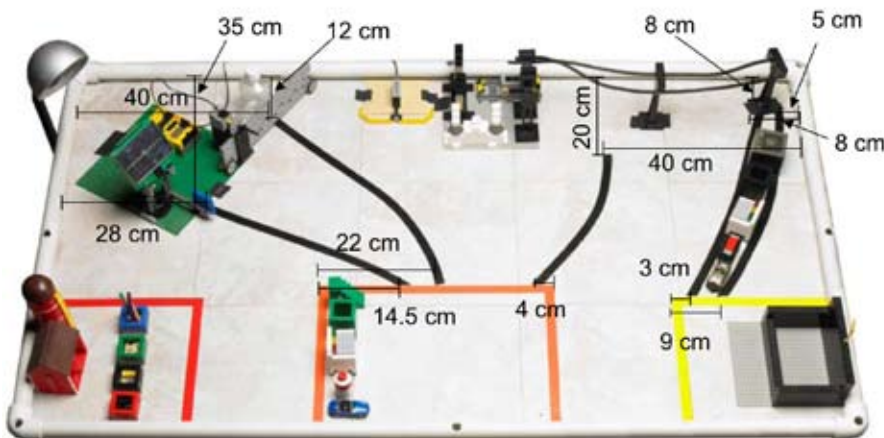
1 - 3 foot by 5 foot EZ board Backer board by custom lite technology 1/4 inch thick purchased at Home Depot

15 - Traffic master original 12 inch by 12 inch Mohave white pattern TM088 vinyl tile purchased at Home Depot

A small amount of each color 3M electrical tape: Black, Yellow, Orange, and Red purchased at Home Depot

1" PVC pipe and fittings to make frame

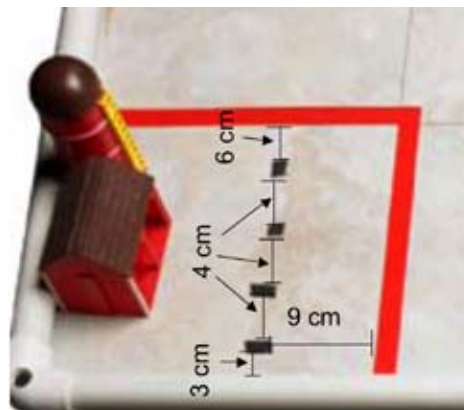
Small nuts and bolts to attach PVC pipe to table



Note:

The black tape will start and end at these locations. Because it is applied by humans the middle may not match these examples. The EcoBot's light sensor does not care about these little differences.

All measurements are to the left corner of the tape for consistency.



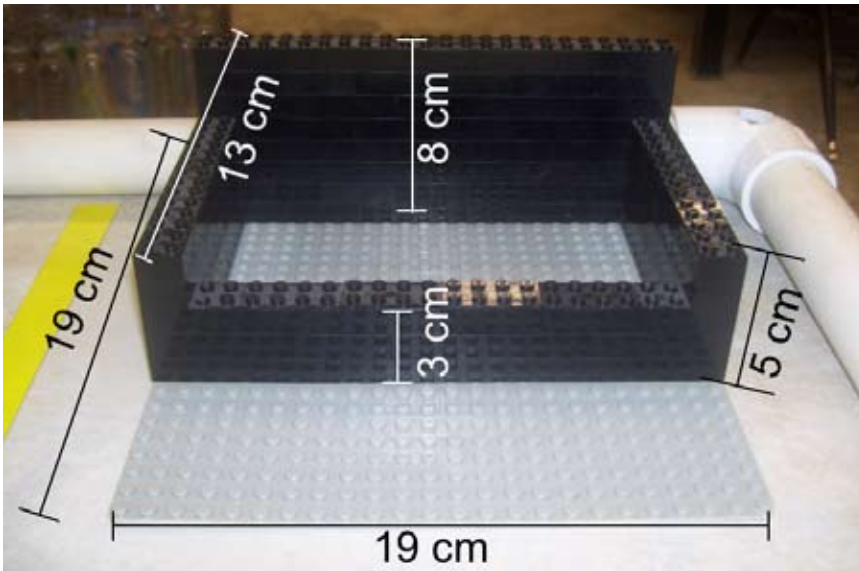
Note:

The containers at the farm are centered on top of black tape.

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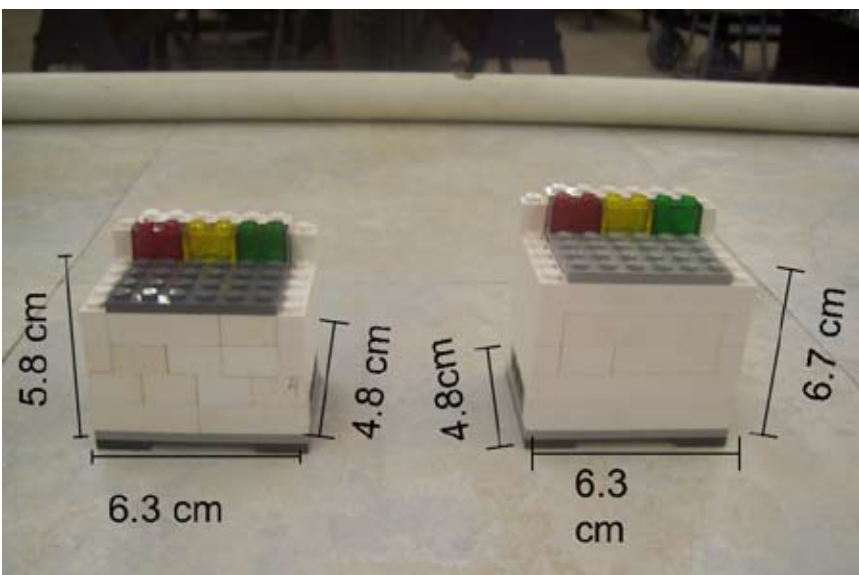
Measurements, Components and Notes



Components for Bio Fuel Co-Op

- 1 - 24 by 24 stud plate
- 11 - 2 X 4 bricks
- 40 - 2 X 8 bricks

or use cardboard and tape:



Components for Old Washer

- | | |
|------------------|------------------|
| 1 - 6 x 6 plate | 2 - 1 x 4 bricks |
| 2 - 2 X 6 plates | 3 - 1 x 2 bricks |
| 3 - 2 X 8 plates | 2 - 1 x 1 bricks |
| 4 - 1 x 8 bricks | 2 - 1 x 4 beams |
| | 9 - 1 x 6 bricks |

Components for New Washer

- | | |
|------------------|------------------|
| 1 - 6 x 6 plate | 2 - 2 X 6 plates |
| 3 - 2 X 8 plates | 6 - 1 x 8 bricks |
| 9 - 1 x 6 bricks | 4 - 1 x 4 bricks |
| 3 - 1 x 2 bricks | 2 - 1 x 1 bricks |
| | 2 - 1 x 4 beams |

or use cardboard and tape

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Task 1: Energy Conservation



Before

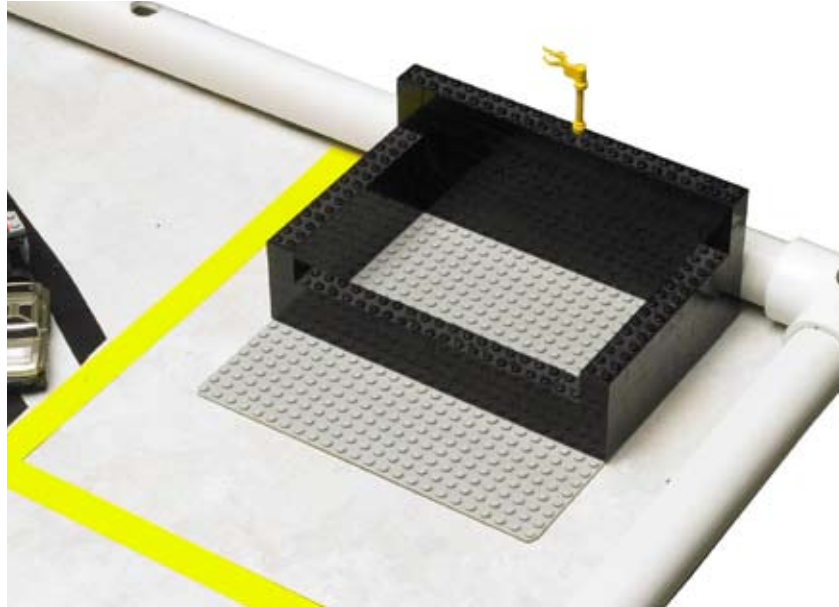


After

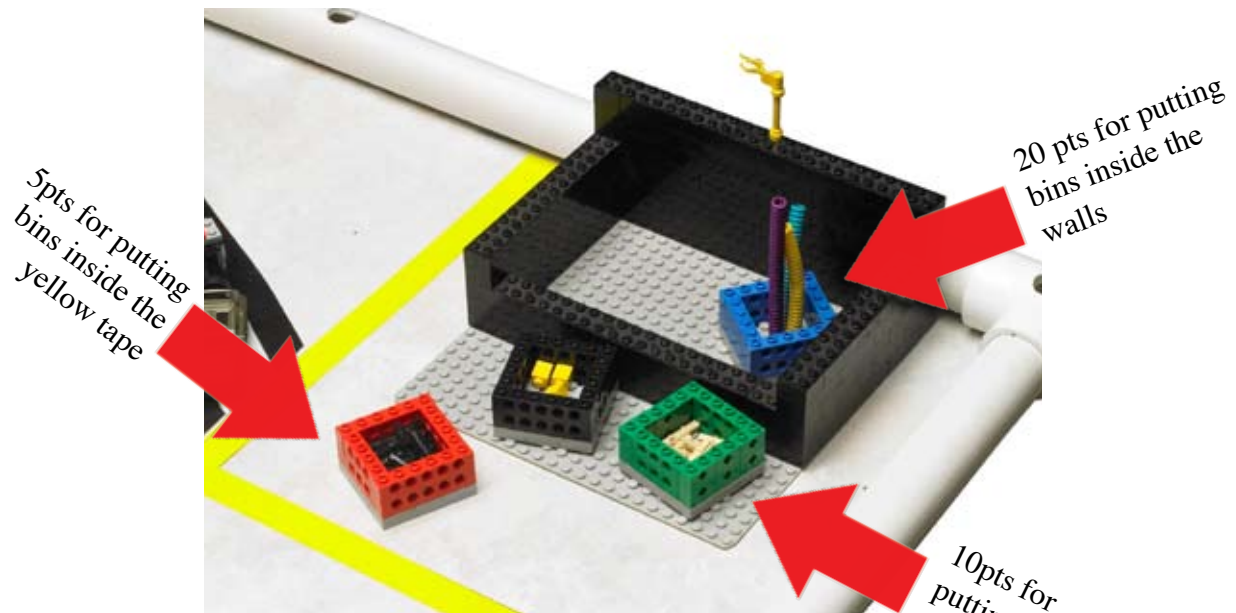
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Task 2: Bio Fuel



Before

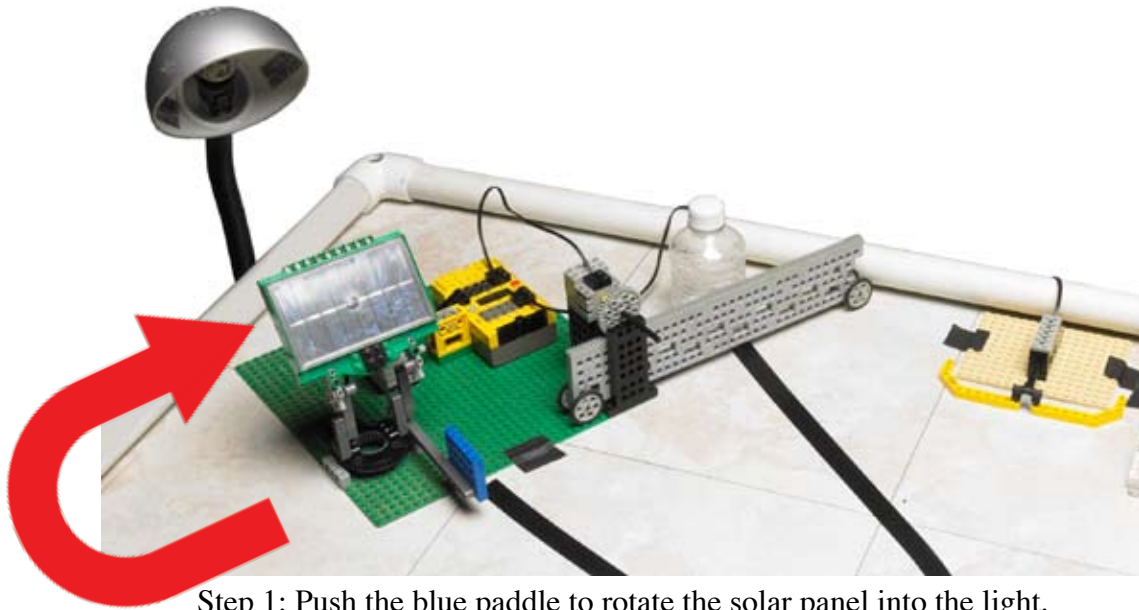


After

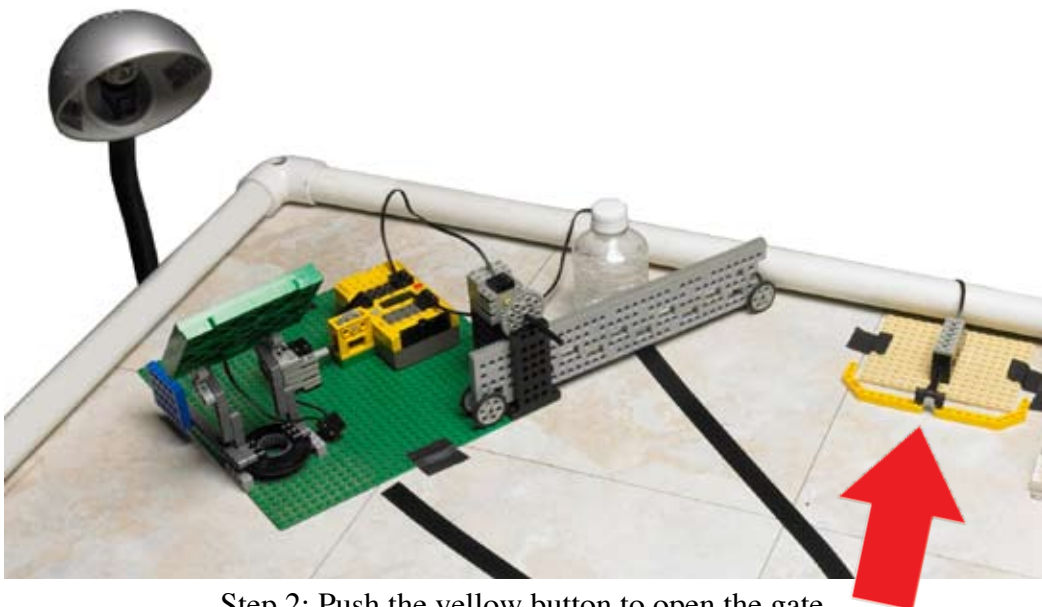
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Task 3: Solar Gate



Step 1: Push the blue paddle to rotate the solar panel into the light.

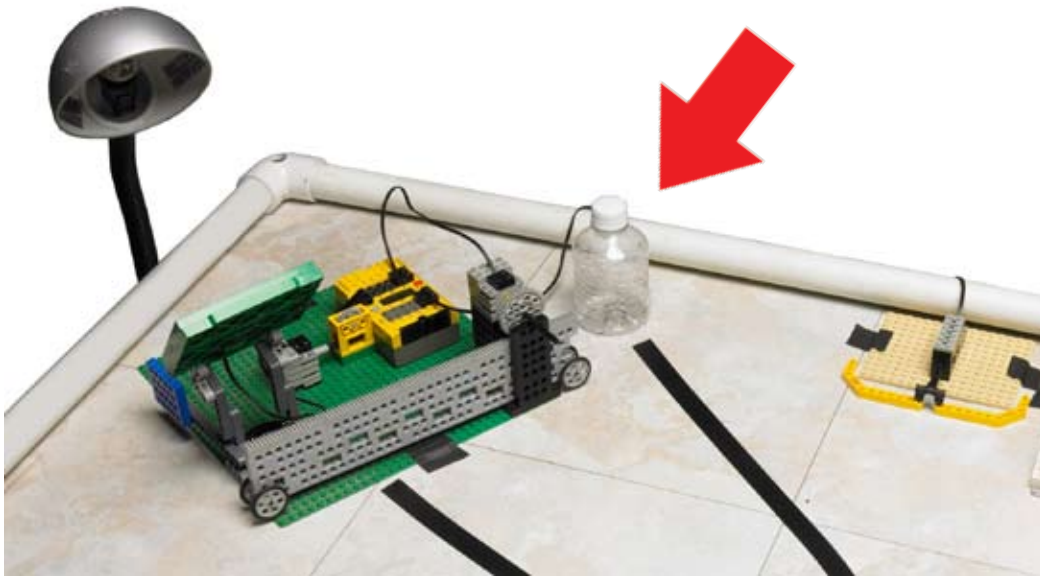


Step 2: Push the yellow button to open the gate.

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Task 3: Solar Gate (continued)



Step 3: Retrieve the empty soda bottle from the gated area.



Step 4: Return the soda bottle to Home base.

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Task 4: Energy Diversification



Before



After