**Are we Robots? Activity**

Instructions: Below is a list of machines that you may encounter in your daily life. Add machines to the bottom. Complete the table by deciding if the machine meets the criteria for being a robot. Then determine if the machine is a robot.

Body—physical form of some kind Control—

Input—gets information from sensors, buttons, etc.  
Program—Is programmable, follows a set of instructions you give it

Output—an action it takes

Behavior—what it does; the function it performs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Body | Input | Program | Output | Is it a robot? |
| Stove | YES | NO | no | hest | no |
| Microwave | yes | no | sometimes | hest | no |
| Radio | yes | no | no | sound | no |
| ipod | yes | no | yes | sound | no |
| Flashlight | yes | no | no | light | no |
| Bicycle | yes | no | no | kinetic | no |
| Car | yes | yes | sometimes | kinetic | sometimes |
| Alarm Clock | yes | no | yes | light, sound | no |
| Traffic light | yes | no | no | light | no |
| Photocopier | yes | yes | yes | paper | yes? |
| Mars Rover | yes | yes | yes | radio | yes |
| Behaviour | stove cooks food | microwave cooks food | radio plays music and audio | ipod plays music and audio | flashlight roduces light |
| behavior | bicycle moves | car moves and may have a GPS | alarm clock tells time and beeps with the alarm | traffic light tells who can go at the intercection | photocopyer copies |
|  | Mars rover explores the red planet |  |  |  |  |
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