**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

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| --- | --- | --- | --- | --- | --- |
|  | Body | Input | Program | Output | Is it a robot? |
| Stove | Yes | Sometime | Yes | Some will alert you when it is finished cookinhg | Yes |
| Microwave | Yes | Yes | Yes | A beep will sound when the timer is finished | Yes |
| Radio | Yes | Yes | Yes | When you change the station, you can listen to what you chose. | Yes |
| ipod | Yes | Ye4s | Yes | You can chose what song you want to listen to. | Yes |
| Flashlight | Yes | Yes | No | When you flip or press the power button, the light will turn on. | No |
| Bicycle | Yes | Sometime | No | On some Bikes, you can cha nnge the gear you use. | No |
| Car | Yes | Sometime | Yes | On some models, you can see all of your driving info. | Yes |
| Alarm Clock | Yes | Yes | Yes | You can set the time you want to wake up at. | Yes |
| Traffic light | Yes | Yes | Yes | People program the lights in how to react if a car has 0pulled up. | Yes |
| Photocopier | Yes | Yes | Yes | People set what they want copied and also how many copies. | Yes |
| Mars Rover | Yes | Yes | Yes | It follows instruction that nasa sends to it. | Yes |
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Behavior

Stoves will cook things that people ask it to cook

Microwaves will warm things up and buzz when completed

Radios play diffrent radio station and lets the person controling the radio to hear what is playing

iPods are will play music that you load onto it through another robot, the computer

Flashlights will shine a bright light inorder to let the person to see his way at night.

When sombody presses a peddle down, the bike will move forward.

When you press down the peddle, the car moves forward or backwords.

An alarm clock will wake you up at the desired time you set.

When a car pulls up to a red light, some lights will detect the light and turn green.

Photocopiers will copy what is layed on a tray by the human.

THe Mars rover studies the land and lets the people back on Earth to study teh data.