Record
Fill out energy transformations that happen going from the battery, to the wire, and then to each load. Chemical, Electrical, Heat or Kinetic

Questions	
Question 1 Science	In our example, we were following one mythical electron around a circuit, in reality there are trillions. Knowing this, do you think both the resistor and the motor would both get consistent electricity?
Yes, some electrons would go one way, and some the other way, but it would even out because there are so many.	
Question 2 Science	Temperature is define as the average kinetic energy (motion) of the particles in a substance. Also, resistors are usually made of materials with messy atomic arrangements (plastics for example). Knowing this, what do you think is causing the increased heat inside a resistor?
Because they are hitting the atoms that get in the way causing them to move (and heat up).	
Question 2 Science	If the motor was not present, how do you think that would affect the amount of electrical energy available to the resistor, everything else being the same?
It would get more energy because none is being use on the motor, and they would not be sharing electrons.	
Question 3 Science	If our robot analogy still holds up, and a switches gap was too small, would the current (robot) still be able to make it across?
Yes. If the gap is tiny the robot wouldn't sense it and it could keep going.	

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