Bill Nye: <i>Electricity</i>	Namep	d
<b>BEFORE</b> viewing the tape, read	d through the questions below.	
1.	Electricity is the flow of tiny particles called	
2.	The flow of is like the flow of	
3.		
4.	A closed electrical path is called a	
5.	With electrons we can do	
6. Make a sketch of an electric and how electricity makes th	bumper car. On your sketch show where the electrical contacts e car work.	are
7. In order to get a shock on a h	oumper car, what would you have to be able to do?	
8. Why do you suppose batterie	s last longer if they are kept in the refrigerator?	
9. Why do you suppose cold me	tals conduct electricity better than hot metals?	
10	o. There is enough electricity in a wall socket to stop your	
	<ul> <li>A toy train has(number) rails to complete its electrical circuit.</li> <li>Michael Faraday and Joseph Henry made electricity with a _ of wire and a</li> </ul>	
14. The Viking 21 electric car is different sources. What are	s considered a "hybrid" electric car. It gets its power from three e they?	
15	control the flow of electricity and isolate it from the grou	und.
16	3. The conductor used by the electricians is made of	
17	. Electricity is the flow of	

18.	Electrons are located on the of atoms.
19.	Electrons jump easily in
20.	Materials that carry electricity well are called
21.	don't conduct electricity.
	An example of a resistor is a which conducts electricity less well than metals.
23.	Electricity can be compared to
24.	Both have and
25.	
26.	Electrical pressure is called
27.	The number of electrons flowing is called
28.	The combination of volts and amps is called, the unit of electrical power.
29.	Electrons are pushed by reactions in batteries or by a
30.	
0.1	
	The electric eel can produce volts and amps.
32.	
33.	The falling water of the Grand Cooley Dam can generate watts of electrical power.
34.	Electricity made by either moving a magnet or a coil is called current, abbrieviated "AC".
35.	Batteries produce current abbrieviated "DC", because it travels in only one direction.
36.	"PC" stands for according to Bill Nye.
37.	A photovoltaic cell converts directly into electrical power.
38. Birds commonly sit on electric	ical wires. Why don't they get shocked?
39.	A simple device used to complete an electrical circuit is a
	the world look different. One feature of all plugs is the same are and why to they all have it?