## **10.1 Current Electricity**

through a		_	•
There are several part			
In order to have an ele source. If we were me or m. The SI unit for r	easuring dist	ance, we'd use i	units like km
The energy in an elect	ric circuit co	mes from the _	
(just like with static el move!). The amount o			
electron is called the _ the electron.			of
There is a variety of so things, we are going to			
An	_ is a device t	that changes ch	emical energy
into electrical energy.	There are 2	types of	:
and	·	electri	c cells cannot
be recharged, while _	e	lectric cells can	
All electric cells have s	several thing	s in common. T	They both
have a te	erminal (a pla	ace where, than	ks to

chemical reactions, there are a	electrons)
and a terminal (a place where, thanks	to
chemical reactions, there is a electrons	s available).
They both also have something called an This is a liquid or paste that allows ions to form.	·
In an electric cell, the electrons flow from the	
end, through the circuit and arrive back at theend of the electric cell.	
Most "regular" people call an electric cell ascientists are more particular. For our purposes, a b	
collection of 2 or more	
The reason we use a circuit is usually to power some This changes the electrical energy into something eleght and heat in a light bulb). Any device that does	se (like
circuit is called the If you have 3 light b	oulbs in
your circuit, your is the total of all three	e bulbs.
Most circuits use wire as the conductor conducts very well and is less expensive than things and platinum.	

A circuit diagram is like a "picture" of an electric circuit with symbols representing the various parts. Check out pg. 304 for the symbols we will be using.