10.3 Electric Potential Difference. A.K.A Voltage

A volt is a way to measure the	of an electric cell.
Strictly speaking, what we measure	is the change in the
of the electro	ons coming out of the cell.
Hence, electric	.
We measure electric potential differ	ence with units named
after Alessandro Volta. The	
Because of this, most people tend to	just call it
and not	
Our equation for voltage is:	
V = volts, ΔE = changed in energy, Q = coulombs)	
1 volt = 1 joule of energ	gy / 1 coulomb
A is used to	measure voltage. It is
similar to an	_ (at least, when reading
the numbers) but is hooked up differ voltage of something that's not a bat	•
need to make the voltmeter in a	circuit.

Remember, more than one electric cell connected is called a	
You may have noticed there are several	
different types of voltage for commercial batteries. By	
combining more than one, you can get different amounts of voltage.	
When electric cells are connected in series, you the voltage of each cell together. So 5 1.5 v electric cells in	
series would create a battery with a voltage ofv.	
When electric cells are connected in,	
their voltage remains the same. However, the newly made	
battery would	
Some batteries have the electric cells in a combination of series and parallel. Just apply the above rules to determine the voltage.	