lame:	Pd: Electricity & Circuits	Objective: <u>7.P.2.3</u>
bjective 1: I can explai	n the sources of Electrical Energy	
Electrical energy:	the movement of	
Electrical Energy	comes from many sources such as:	
0	– (Hydroelectric) &	
■ Bo	oth water and wind power are used to turn a	that creates
	(green) electrical energy	
0	– (sun energy) heat energy is turned into ele	ectrical – green energy
0		<b>y</b>
0	(Batteries)	
bjective 2: I can descri	be series and parallel circuits	
• Circuit:	through which can	

Component	Circuit Diagram Symbol	
Wire	22	
Resistor		
Light bulb	,	
Cell		
Battery	—— I I	
Switch		

<b>Types of Current</b>
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	<u> </u>	<del>04</del>			
•	D/C				
	0	Cantrav	/el	distances	
	0		travel in		
	0	Electricity we get from	า		
•	A/C				
	0	Can	over	distances	
	0		direct	ions forward and backward (	)
	0	Electricity we get fror	n	anything you have to	

## **Types of Circuits**

<i></i>	one brook	tho	f of current (if one li	abt goos out	t thoy All go out)
O				giit goes ou	t tiley ALL go out)
0	current is the				SERIES CIRCUIT DRAWING
0	each device		_of the total voltage		
	■ get	as ligh	ts are added		
	Si	mple circuit w	with light		
	lel Circuits				
0			from negati	ve to positiv	re
	<ul><li>one break</li></ul>		flow		
0	current	_ in	_ branches		A.U.E. O.D.O.U.E. D.D.A.W.IN.O.
0	takes path of	resistand	ce	PAR	ALLEL CIRCUIT DRAWING
0	""	ght would be			
0	each device receives	the			
0		when lights are	e added		
lous	ehold Circuits				
•	Combination of _				
	• too many c	levices can cause	wires to		
•	Safety Features:				
	•	- metal melt:	s, breaking circuit		

\_\_\_\_\_- bimetallic strip bends when hot, breaking circuit