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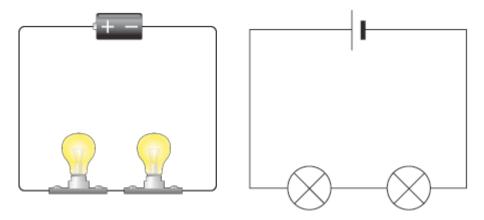
West Islip Technology Department

Period ____

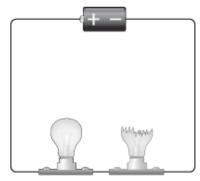
Introduction to Series & Parallel Circuits

-	and	are two	important	concepts	when	dealing	with
	electricity.		-	-			

- There are ____ ways that a ____ can be connected in a circuit, either series or parallel.
- The circuit below has two lamps connected to a battery. In this circuit, there is only _____ over which the electrons can flow. When electrons only have one path to follow, that circuit is called a _____ . The lamps are said to be wired in series with respect to each other.



- When _____ lamps are added to a series circuit, the lights will become than before.
- In a series circuit, if a lamp _____ or a component is _____, the circuit is _____ and all the components stop working. See the image below.



- Series circuits are useful if you want a _____ that one of the components in the circuit has failed. They also use than parallel circuits.

Introduction to Series & Parallel Circuits cont...

_	The circuit below has two lamps connected to a battery and they are connected in In this circuit, there are different paths for the electrons to follow from battery terminal to battery terminal. When electrons have more than one path to follow, that circuit is called a
-	In a parallel circuit, if a lamp breaks or a component is disconnected from one
	, the components on different branches And, unlike a series circuit, the lamps if you add more lamps in parallel. See the image below.
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	(MA) NA PARA PARA PARA PARA PARA PARA PARA P
_	Parallel circuits are useful if you want , even if one

circuits.