

#Jenny



Finally I get this ebook, thanks for all these I can get now!

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Cool! I'am really happy

#Markus Jensen



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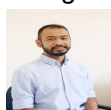
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My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

Electric Circuits Name: \_\_\_\_\_

**Series Circuits**

Read from Lesson 4 of the Current Electricity chapter at The Physics Classroom:  
<http://www.physicsclassroom.com/Class/circuits/u4a.html>  
<http://www.physicsclassroom.com/Class/circuits/u4b.html>

**MOF Connection:** Electric Circuits: sublevels 7, 9 and 11

1. Electrical devices in circuits can be connected to each other in a number of different ways. The two most common connections are series connections and parallel connections. Observe the electrical wiring below. Indicate whether the connections are series or parallel.

Series or Parallel?

Series or Parallel?

2. Two electric circuits are diagrammed below. For each circuit, indicate which two devices are connected in series and which two devices are connected in parallel.

Series \_\_\_\_\_  
Parallel \_\_\_\_\_

Series \_\_\_\_\_  
Parallel \_\_\_\_\_

3. Comparing Series vs. Parallel Circuits

Fill in the table below to indicate the manner in which series and parallel circuits differ.

	Series Circuit	Parallel Circuit
A. Definition: The pathway by which charge flows around the circuit is characterized by _____.		
B. Observation: If one light bulb goes out, the other light bulbs _____.		
C. Observation: As the number of resistors is increased, the overall current _____.		
D. Observation: As the number of resistors is increased, the overall resistance _____.		

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**Series Circuits Physics Classroom Answers**