CASTLE Section 4 Quiz

() This is a preview of the draft version of the quiz

Started: Apr 24 at 7:41am

Quiz Instructions

Question 1	1 pts
The battery or generator determines the direction	of flow of charge in a circuit.
True	
False	
Question 2	1 pts
A capacitor's voltage does not depend on the bat initially charged.	ery to which it was connected when
○ True	
False	

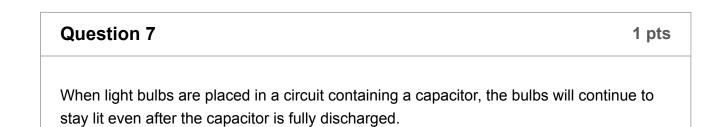
Question 3	1 pts
A capacitor's amount of stored charge is only limited by the voltage of the battery t which is is connected.	0
○ True	
○ False	

Question 4	1 pts
A capacitor stops charging when the compression of charge in its positive plate rate that of the battery's positive terminal.	ises to
True	
○ False	
Question 5	1 pts

A capacitor stops charging when the compression of charge in its negative plate raises to that of the battery's negative terminal.

True			
False			

Question 6	1 pts
When light bulbs are placed in a circuit containing a capa when the capacitor is charging, not when it is discharged	
○ True	



True

False

Question 8	1 pts
When light bulbs are placed in a circuit containing a capacitor, the bulbs will con stay lit when the capacitor is fully charged.	itinue to
True	
False	
Question 9	1 pts

A circuit contains three identical bulbs. One bulb is on a separate path in parallel with the two other bulbs that are in series. Which path has the brightest bulb(s)?

the path with a single bulb

the path with two bulbs in series

all bulbs have the same brightness

on none of these

Question 10	1 pts
If identical bulbs are continually added i brightness of all the bulbs will	n series to a circuit with a constant voltage, the as more bulbs are added.
 decrease 	
○ increase	

stay the same

impossible to know

Question 11	1 pts
Voltage is an electric pressure difference.	
True	
False	

1 pts

Question 13	1 pts
Low electric pressure should be colored with warmer (e.g. red and orange) colors.	
○ True	
○ False	



A compass circuit.	can be used to determine the exact direction that charge flows through a
True	
False	

Question 15	1 pts
Non-metallic substances are generally conductors.	
◯ True	
○ False	

Not saved	Submit Quiz