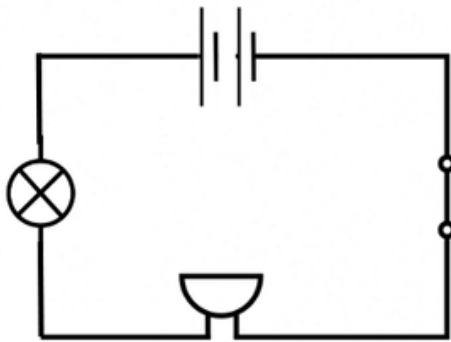


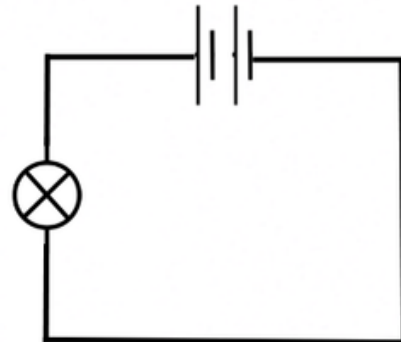


Which circuit will make the brightest lamp?

A.



B.

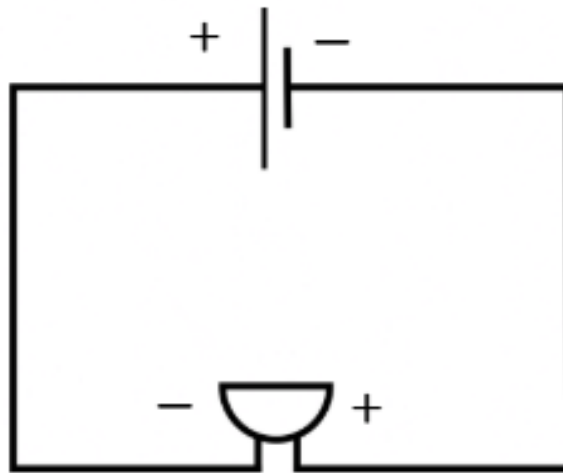


What does this symbol represent?



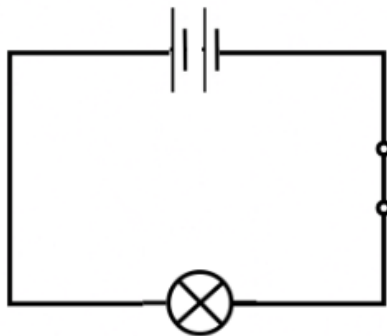


Why won't this buzzer make a sound?

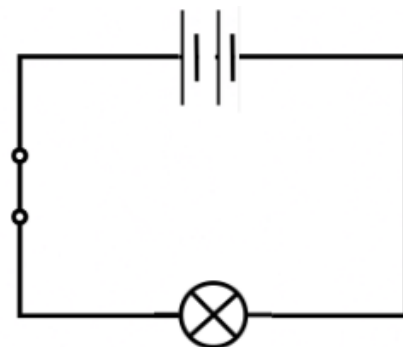


Which bulb will be brighter?

A.

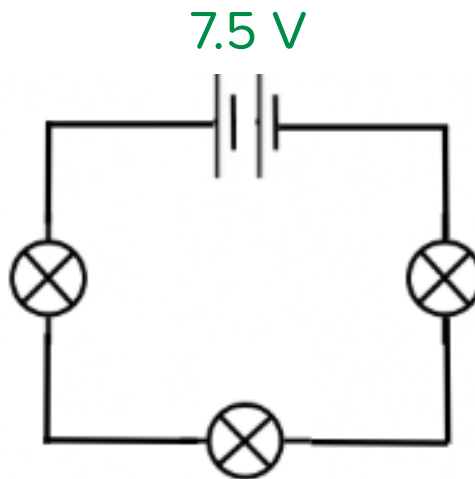


B.



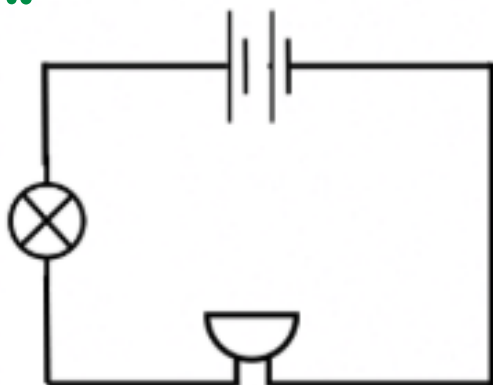


How much voltage will be pushed through each bulb?

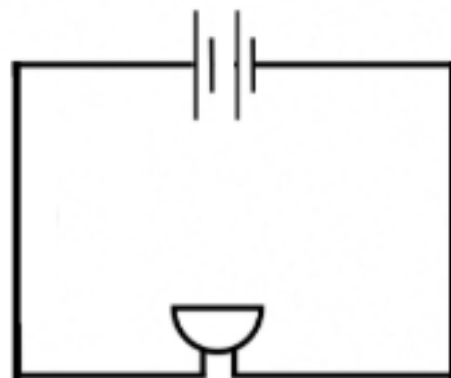


Which buzzer will be louder?

A.



B.

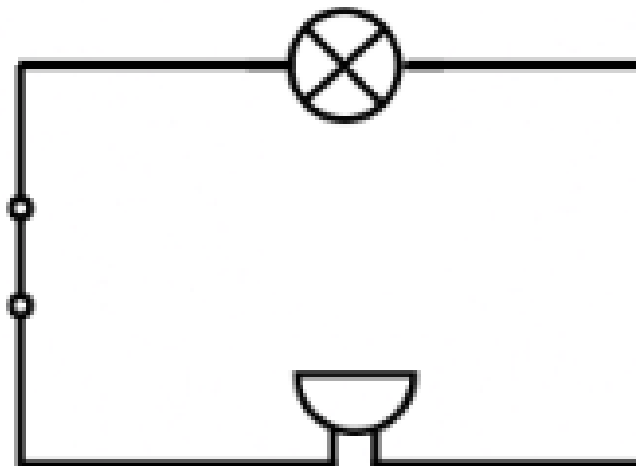




Draw the symbol to represent a motor.

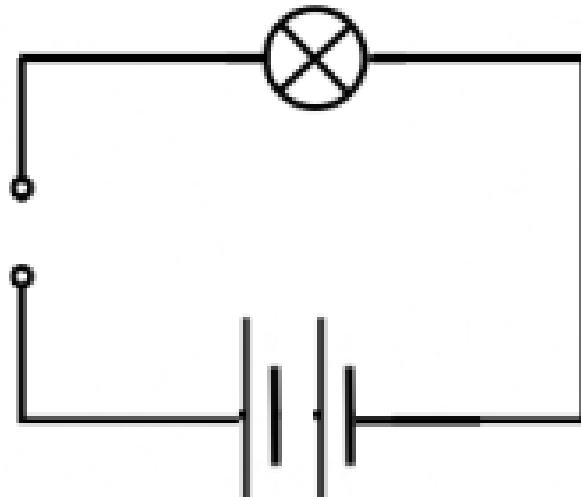


Which component is missing?

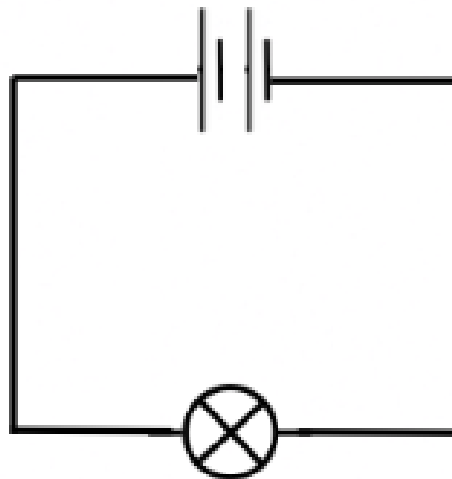




What single change will make this circuit work?



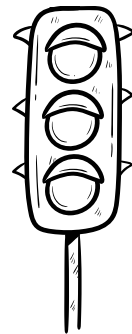
What will happen if a cell is removed from this circuit?



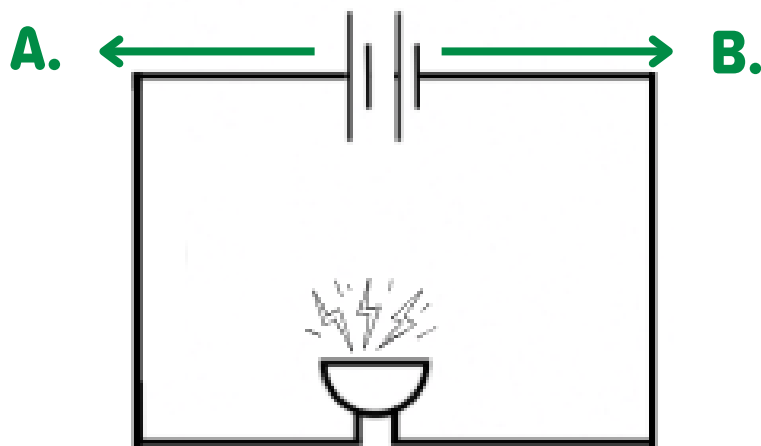


Which of these objects uses a SIMPLE electrical circuit? (You can choose more than one!)

- a. Torch
- b. Traffic light
- c. Doorbell
- d. Bicycle light

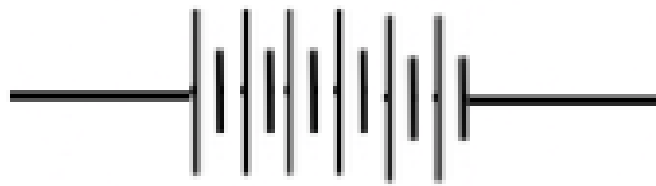


Which way is the electricity flowing in this circuit?

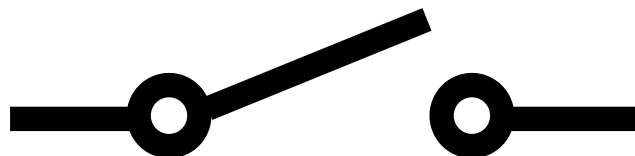




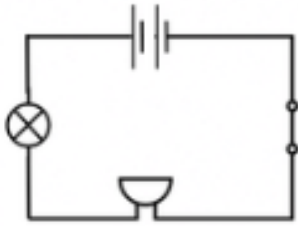
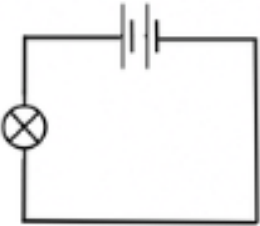
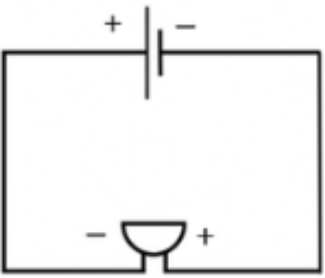
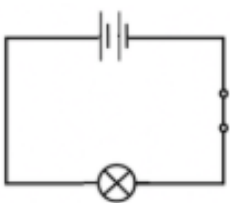
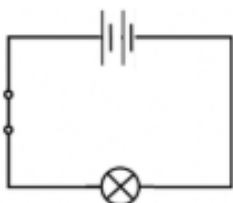
What happens if you add too many cells to a circuit?



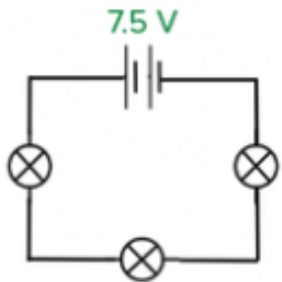
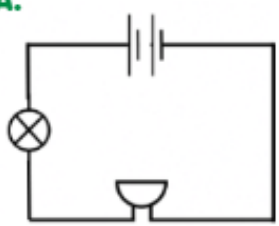
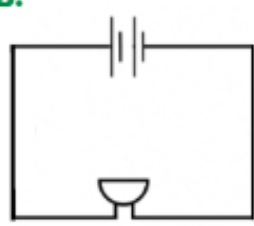
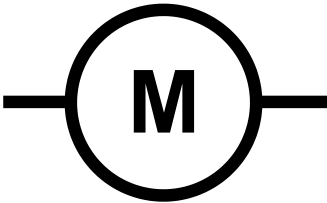
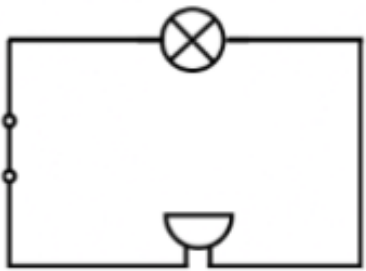
True or False:
A switch can be placed anywhere in a circuit.



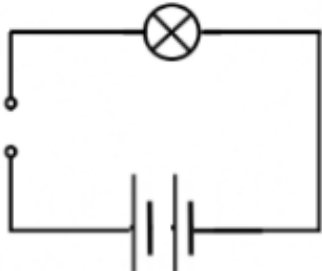
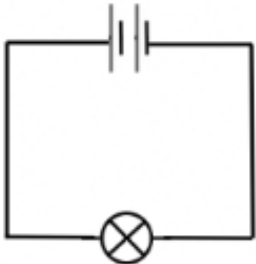
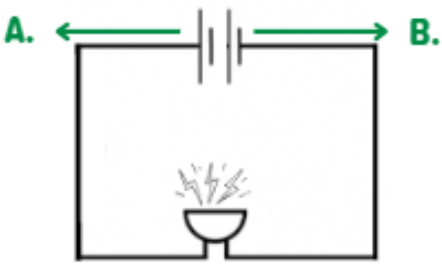
Answers

Which circuit will make the brightest lamp? A.  B. 	B The fewer components included in a circuit, the brighter the bulb will be
What does this symbol represent? 	Voltage
Why won't this buzzer make a sound? 	The buzzer will only make a sound if the positive terminals are connected
Which bulb will be brighter? A.  B. 	Neither The position of the switch in a circuit will not affect the bulb's brightness

Answers

How much voltage will be pushed through each bulb? 	2.5 Volts
Which buzzer will be louder? A.  B. 	B The fewer components included in a circuit, the louder the buzzer will be
Draw the symbol to represent a motor. ?	
Which component is missing? 	There is no cell/battery to power the circuit

Answers

What single change will make this circuit work? 	Closing the switch/attaching a conductor between the two switch points
What will happen if a cell is removed from this circuit? 	The bulb will become dimmer
Which of these objects uses a SIMPLE electrical circuit? (You can choose more than one!) a. Torch b. Traffic light c. Doorbell d. Bicycle light 	Torches, door bells and bicycle lights all function on simple electrical circuits. The circuits in traffic lights are more complex.
Which way is the electricity flowing in this circuit? 	Direction A The longer line in the battery symbol represents the positive terminal

Answers

What happens if you add too many cells to a circuit?



The increase in voltage can cause the circuit to overheat. This can cause components like bulbs to burn out or stop functioning

True or False:
A switch can be placed anywhere in a circuit.



True

A switch's function is to control the flow of electricity in a circuit. This allows for flexibility in where it is placed