

## Electricity Review

Label the following symbols.



Draw a series circuit that contains a single cell, a switch and 2 light bulbs in series.



Draw the same combination of components in parallel (single cell, a switch and 2 light bulbs.)



In the diagrams above which light bulbs would be brighter, the two bulbs in series or the two bulbs in parallel? Explain.

## Electricity Review

Which way would you rather have a strand of christmas lights hooked up, in series or in parallel? explain.

Why does two batteries in series increase the brightness of light bulbs?

Why don't two batteries in parallel increase the brightness of light bulbs?  
Why would we use two batteries in parallel?

How does the behavior of electrons differ in conductors and insulators?  
Give examples of each.

Is air a conductor or an insulator? Justify your answer.

What's the difference between conduction and induction?

## Electricity Review

Electric Charge

Electric Force

Static Electricity

Electric Current

Direct Current

Alternating Current

Electrical Conductor

Electrical Insulator

Resistance

Voltage

Electric Circuit

Series Circuit

Parallel Circuit