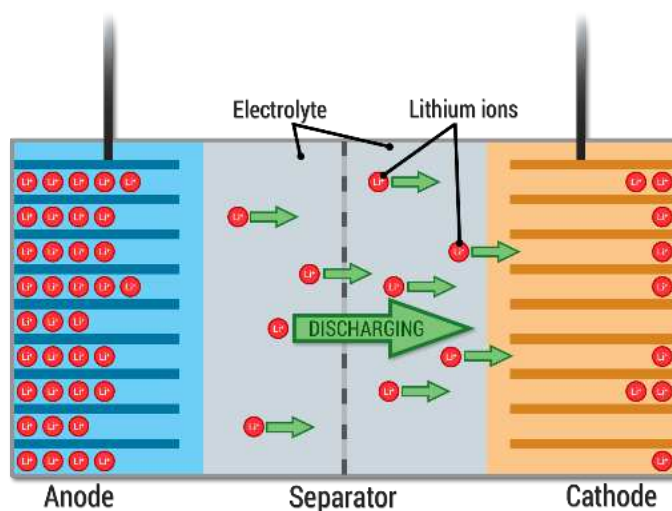


THE BUZZ AROUND CERAMICS—BATTERIES

How a battery works

Batteries have positive and negative sides. In between these two sides is a chemical liquid called an electrolyte or battery acid.

This helps carry electricity from the negative side to the positive side, which is what electricity is, the flow of negatively charged electrons. A chemical reaction in the electrolyte takes place which moves energy from one side to the other to complete the circuit.

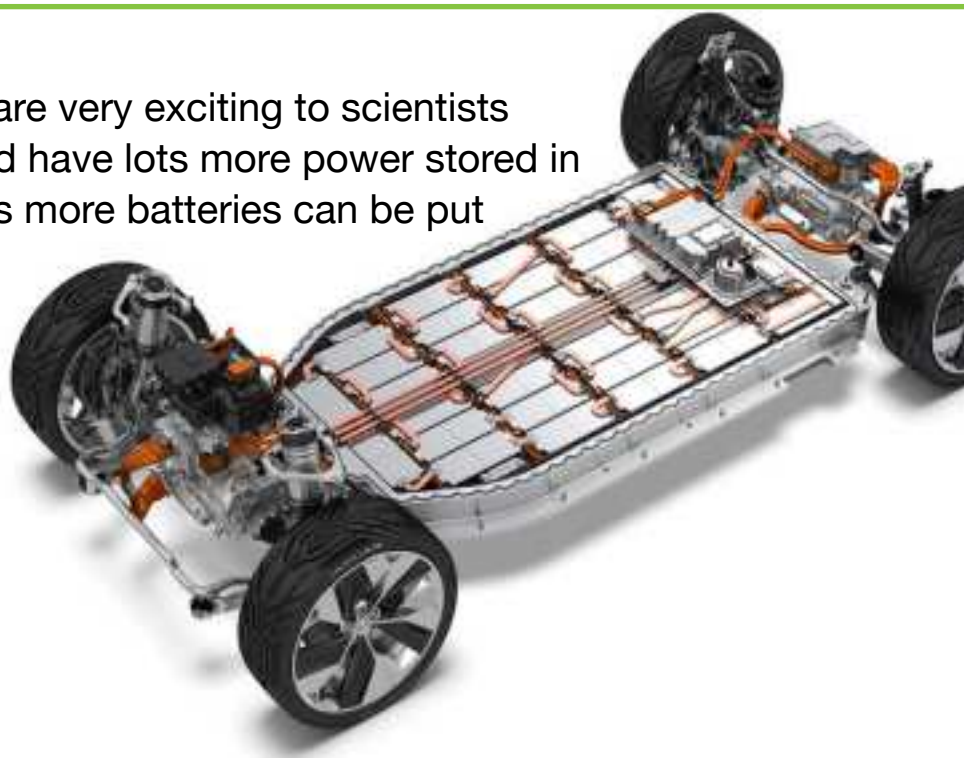
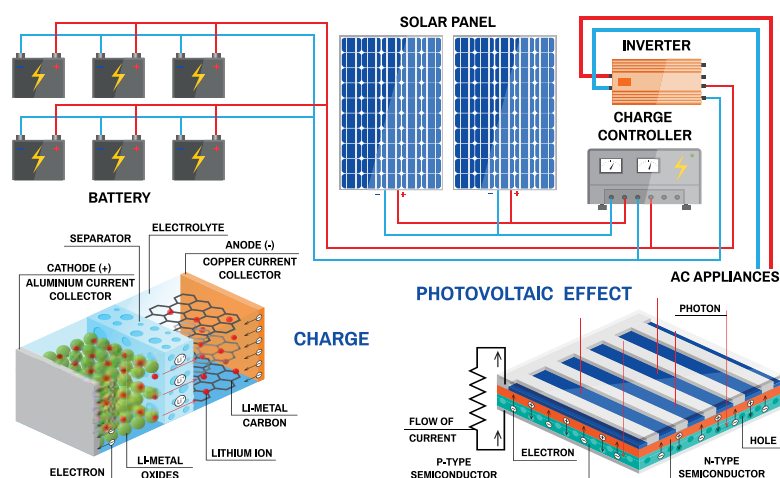


Role of ceramics in batteries

Ceramics can help electricity flow with less resistance by creating electricity highways through their structures. These types of batteries are called solid-state batteries. Solid ceramics are used as powders instead of electrolytes which are liquids inside the batteries but they do the same job only better as they can store 2x as much energy!

The future of cars?

Solid-state batteries are still being developed. They are very exciting to scientists because they aren't as heavy as normal batteries and have lots more power stored in them. This means when they are making electric cars more batteries can be put in the cars to make them travel further!



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