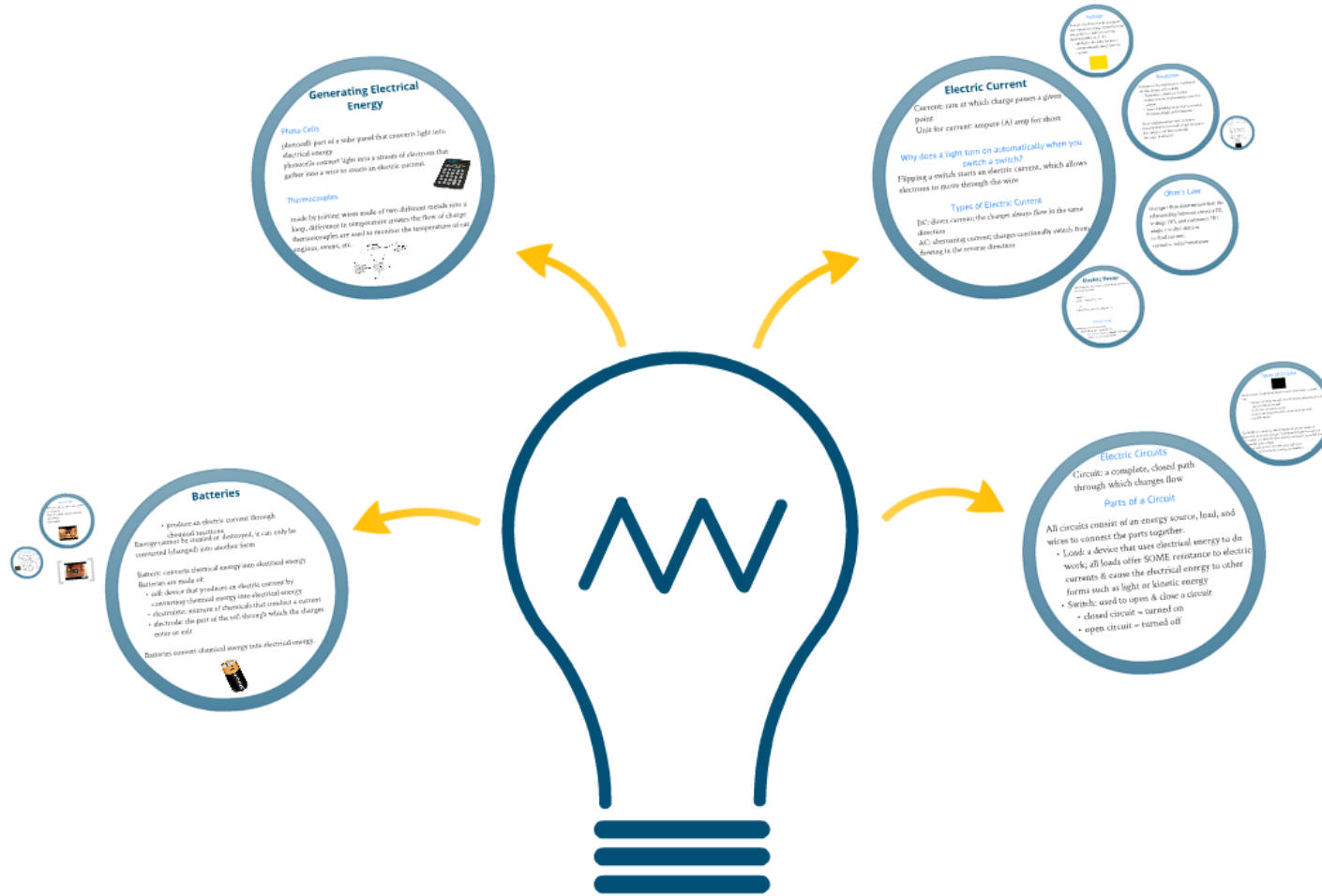


# Electrical Energy

Electrical energy: the energy of electrical charges

Electric current: flow of charges



# Electrical Energy

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# Electrical Energy

Electrical energy: the energy of electrical charges  
Electric current: flow of charges

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### Types of Cells

contain liquid electrolytes  
(aqueous solutions)  
contain solid or pastelike  
electrolytes (solid  
state cells)



# Batteries

- produce an electric current through chemical reactions

Energy cannot be created or destroyed, it can only be converted (changed) into another form

Battery: converts chemical energy into electrical energy

Batteries are made of:

- cell: device that produces an electric current by converting chemical energy into electrical energy
- electrolyte: mixture of chemicals that conduct a current
- electrode: the part of the cell through which the charges enter or exit

Batteries convert chemical energy into electrical energy.





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