



LifeSmarts

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Vocabulary Worksheet KEY: PORTABLE ELECTRICAL POWER XPLORLABS LESSON

Vocabulary Term	Definition
anode	The negative electrode
battery	A device that converts chemical energy into electrical energy
button cell battery	Lithium cells shaped like buttons or small coins that power small electronic devices such as remote controls or garage door openers.
cathode	The positive electrode
chargeable battery	A battery that can be discharged and then recharged, it is not discarded after a single use
coin cell battery	See button cell battery
electrode	One of the two points where electricity is flowing into or out of a battery
electrolyte	A liquid or gel that conducts electricity
EV	Electric vehicle
lithium-ion battery	A battery that works by lithium ions moving from the negative electrode (anode) to the positive electrode (cathode) during discharge
lithium-ion battery pack	An assembly of multiple batteries

portable electric power	Electrical power that can be brought with you
safety engineering	Identifying hazards and reducing risks by developing solutions informed by scientific investigation, study, experiments and tests
safety standards	Written documents that outline the process in which a product is tested to help mitigate risk, injury, or danger
scientific inquiry	Investigation to gather and analyze data, construct arguments from evidence, and communicate findings
separator	A thin porous membrane that divides the anode and cathode while enabling the exchange of electrically charged ions from one side to the other
thermal runaway	A rapid, uncontrolled increase in temperature causing additional increases in temperature, usually resulting in a hazardous situation