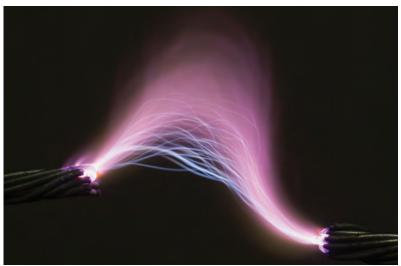
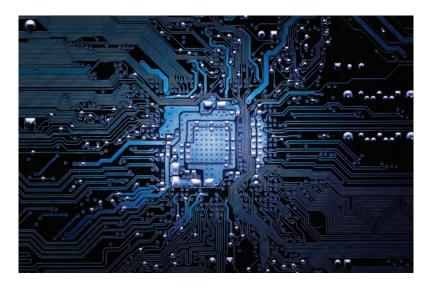


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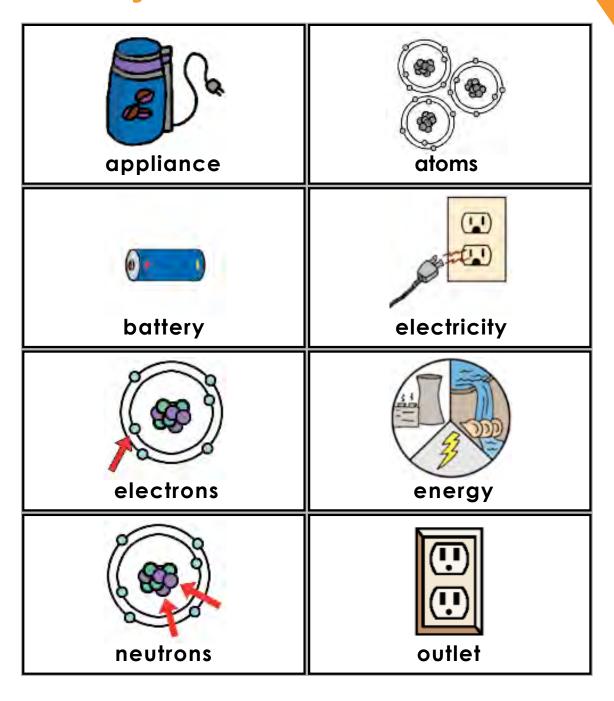


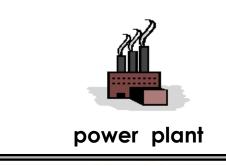


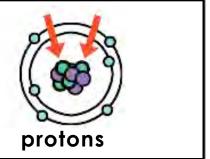


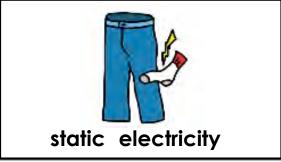
Learning About Electricity

Vocabulary









Vocabulary Definitions













appliance Any machine that uses electricity to do work.















Small particles that make up all matter.













battery

A container filled with chemicals that makes





electrical power.







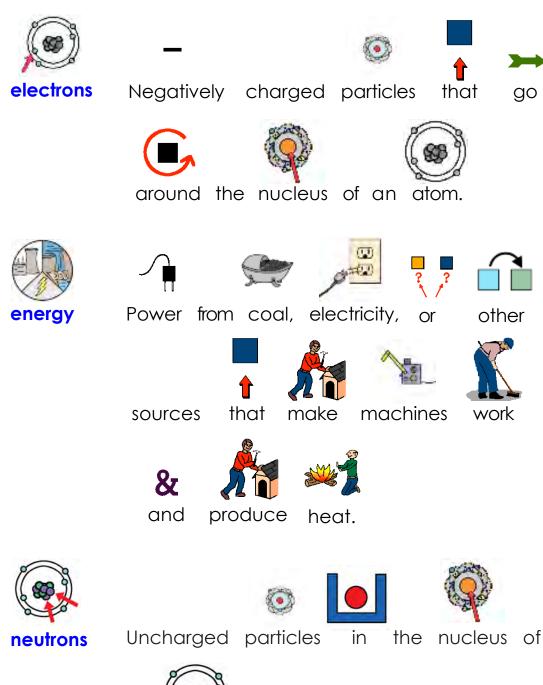


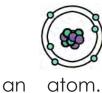




electricity Energy

that occurs from the flow of electrons.

















The place

in a building where

electrical











cords can be plugged to get electrical energy.













plant power

Where electrical energy

is made.













nucleus of Positively charged particles in the



atom. an















static electricity Electricity that

is made

when



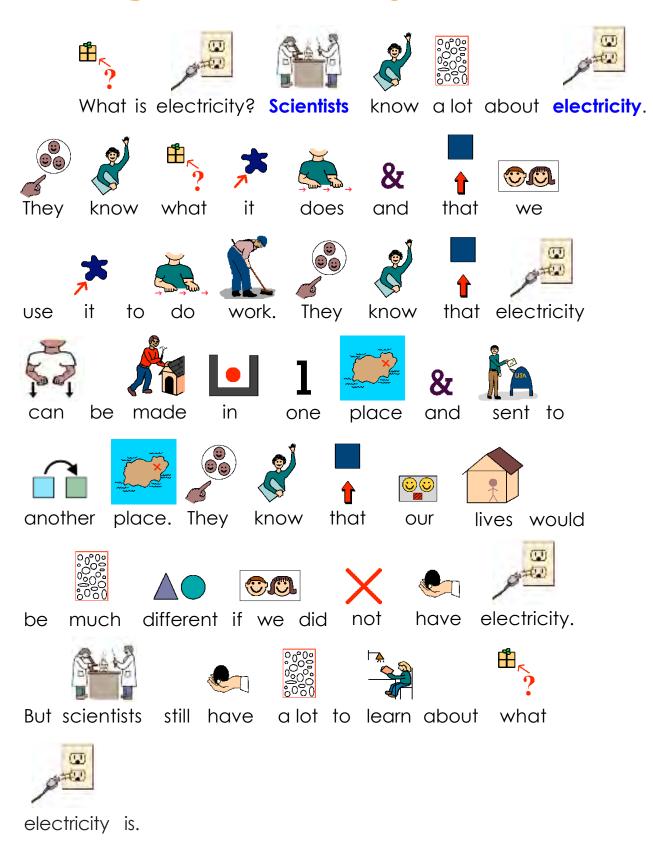




things

rub together quickly.

Learning About Electricity













know that electricity is a form of energy. Scientists













Energy is power. Everything needs energy to grow,

















work,

and

live. People use energy

in

their











in

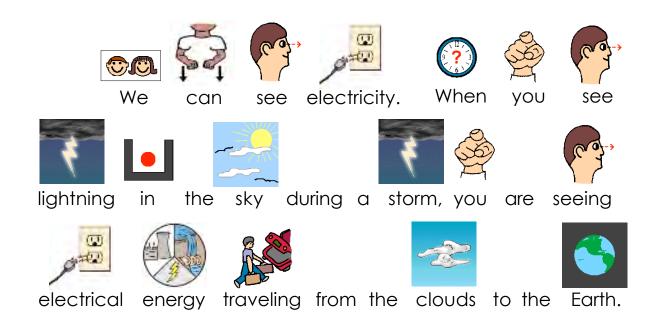




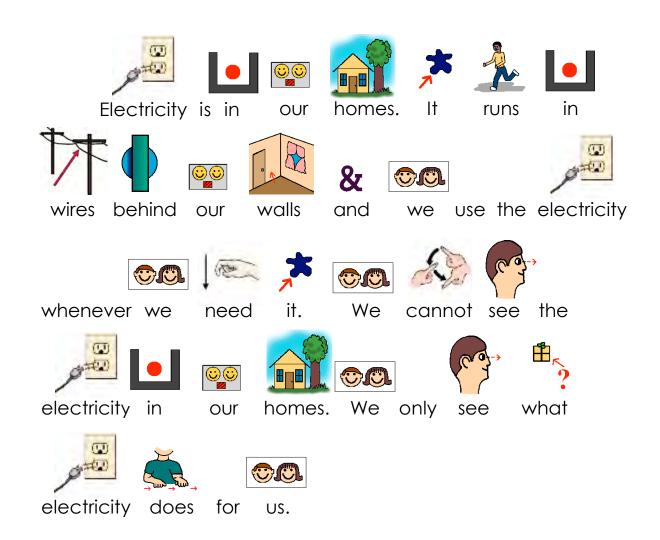
their in

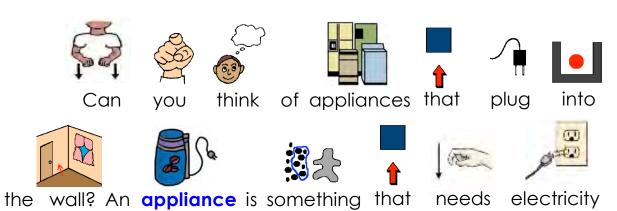
homes, and

their transportation.



















to work. A lamp, a TV, a toaster, and a vacuum cleaner















are all appliances. They must be plugged into an outlet.

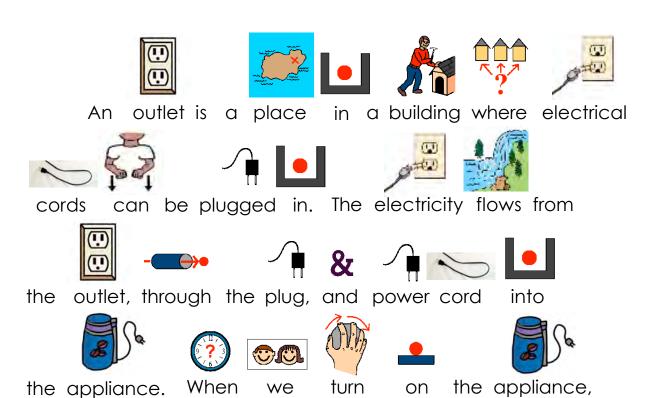
























the electricity makes the appliance work. When













flip a switch,

lights,

ceiling fans, and other





appliances work.















As YOU

see,

many things need electricity













to work:

refrigerators, washers, dryers, microwaves,

mixers,













radios, blenders, computers, hairdryers, and curling irons.

















We have many electrical appliances that we can











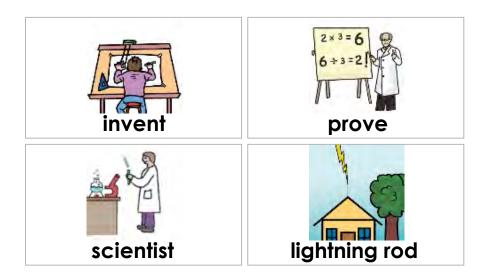
and use to make buy

our

easier. lives

History of Electricity

Vocabulary



Vocabulary Definitions







To create for the first time.









To test by an experiment.



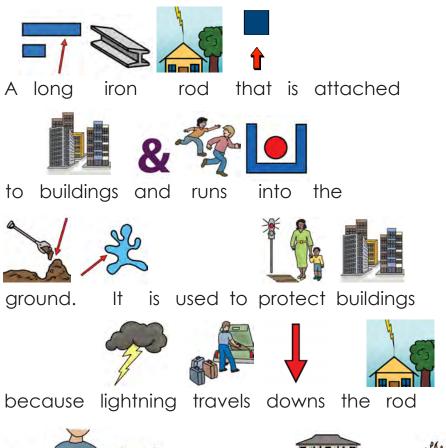


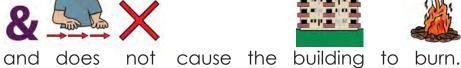




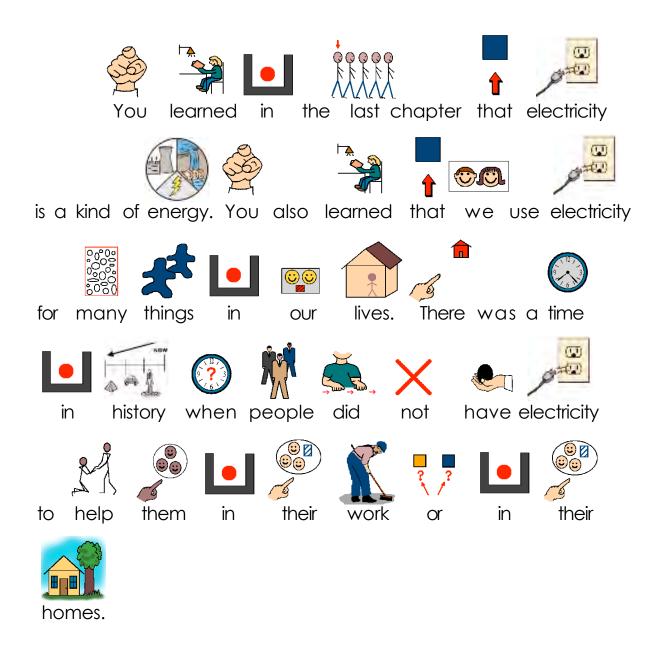
A person skilled in science.







History of Electricity









200





People lived for many years without electricity. They

















cooked on

wood

or

coal

burning stoves,



















by candlelight, and heated their fireplaces. homes in













People would ride horses, carriages pulled or in

















by

horses and oxen, because they



















did not have washing machines, have People cars.















dryers, irons, televisions,

stereos, video games, computers, or



cell phones.









Life long ago is hard to understand because today

















people use electrical energy all the time. Imagine not having















lights or not getting a cold drink from a refrigerator.















Imagine how long it would take you to get













to the grocery store if you had to walk or ride a



horse.













Did someone invent electricity? Invent means to make













something brand new that no one has ever seen













before. No one invented electricity. Electricity is in nature.









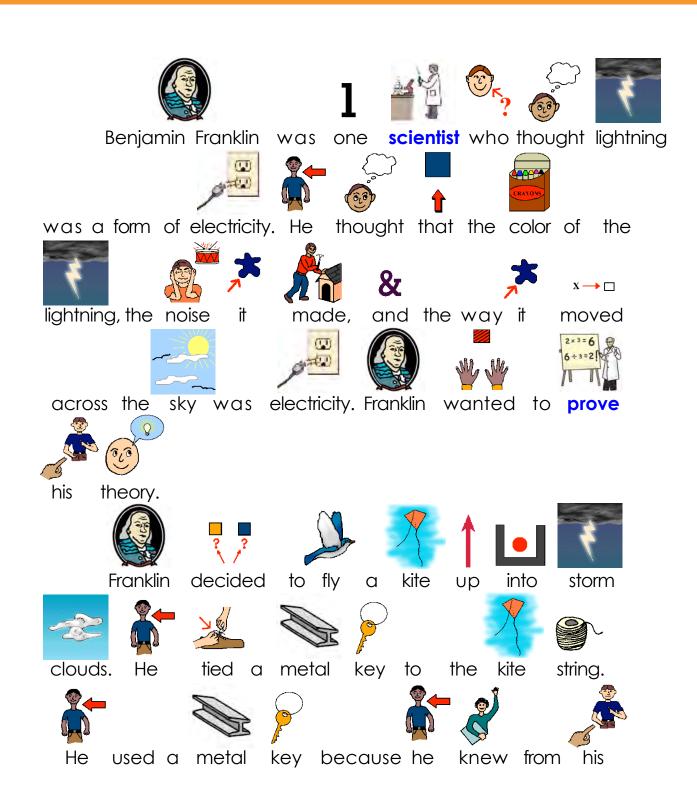
It has always been in nature, but electricity was

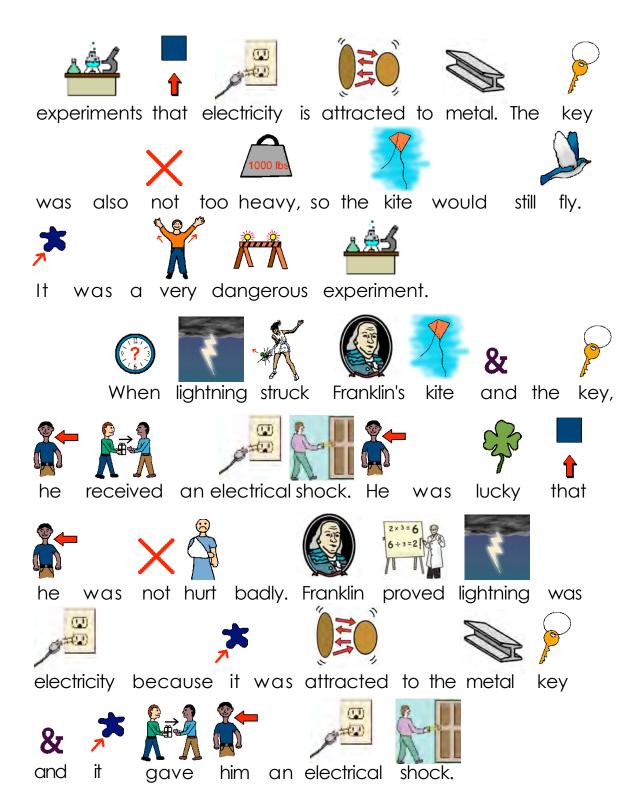


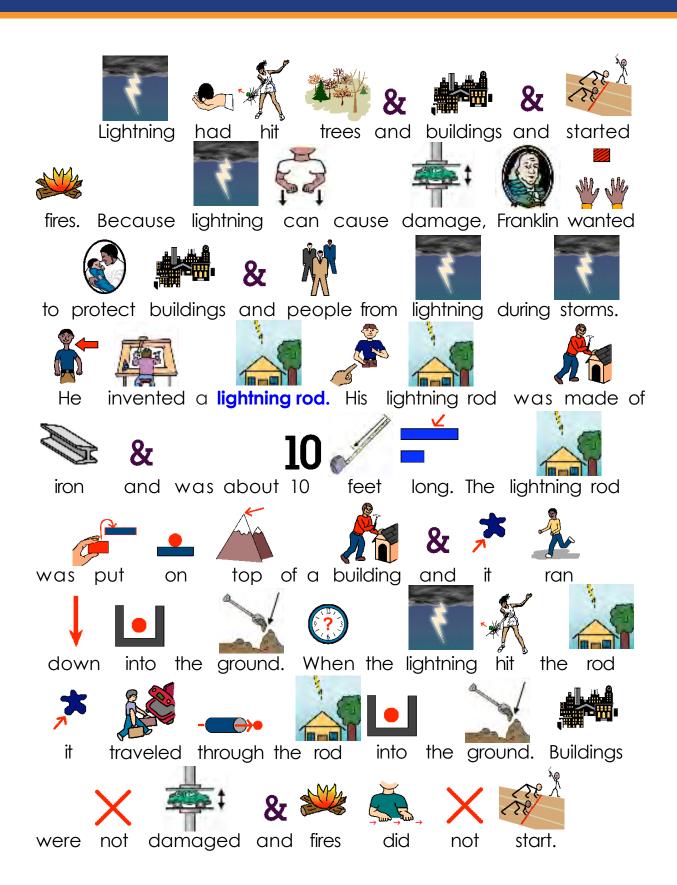


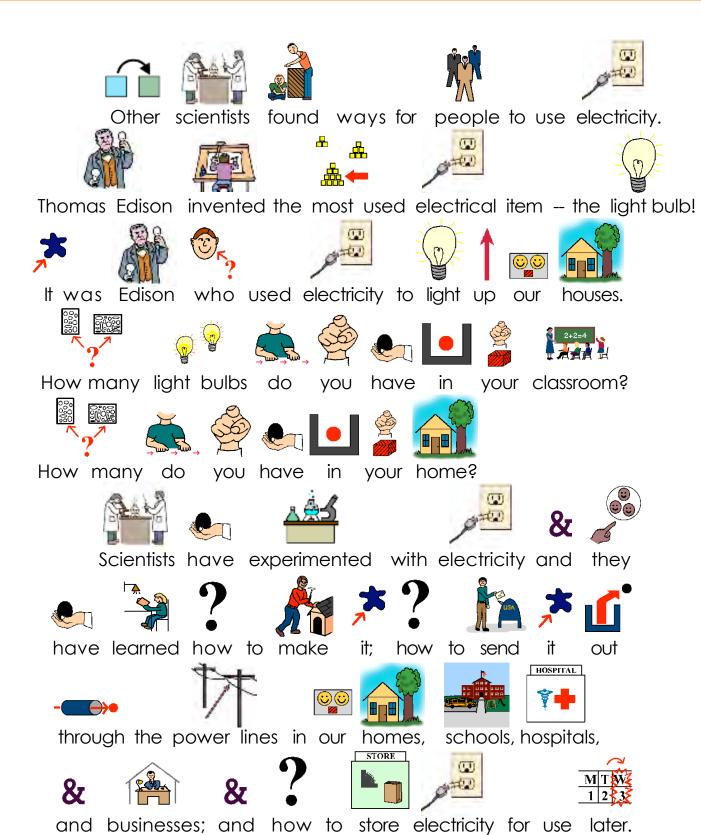


not named by people until the 1700s.





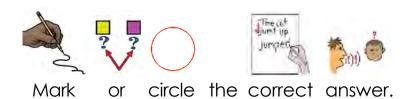




Chapter 2 ■ History of Electricity

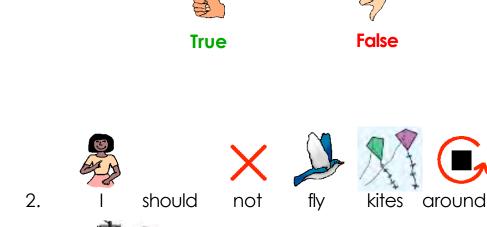
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Quiz





1. Electrical outlets are only for electrical plugs.











3. Thomas Edison invented the light bulb.



True



False









4. Benjamin Franklin made the first lightning rod.



True



False













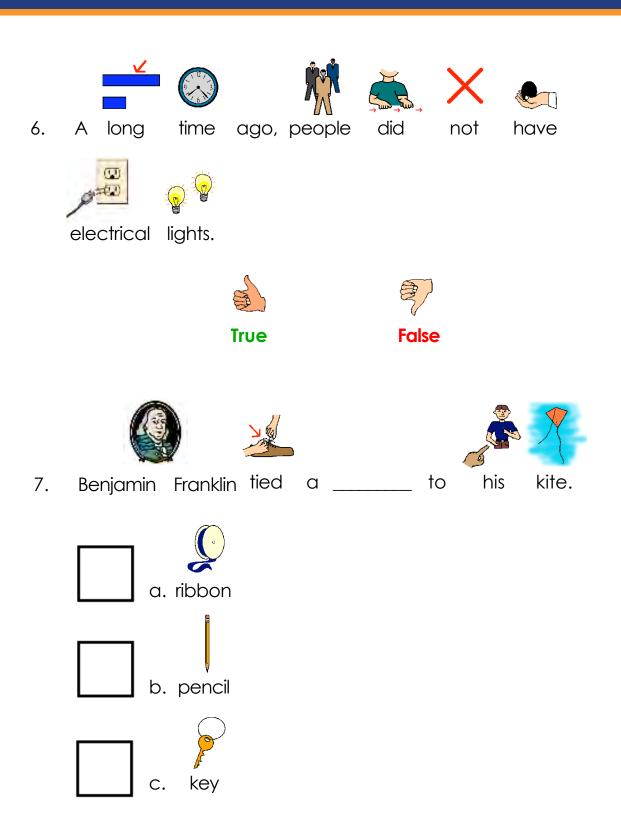
5. Before electricity, people cooked in microwaves.



True



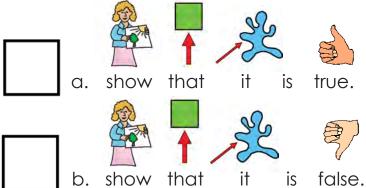
False



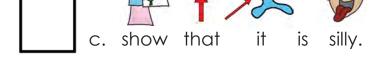




8. To prove something means to ______



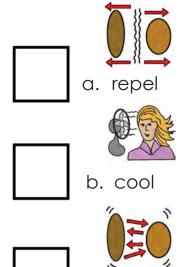








9. Lightning rods ______ electricity.



c. attract







10. Without electricity, people cooked with



