

Goal • Use this domino activity to build your understanding of the concepts in Unit 3.

What to Do

1. Get a domino card from your teacher. Each card has a question on one side and an answer on the other, but they don't match. Ask the question on your card to the class. The person in the class who believes he or she has the correct answer says it aloud. Decide as a class if the answer is correct.
2. The person with the correct answer reads his or her question aloud.
3. Continue until all dominoes are read.
4. As an alternative, divide the dominoes among a group of four players. One player places a card down. The player with either the matching question or the matching answer then plays his or her card with the related ends touching. The next player can match the question on either open end of the dominoes. Continue until all the cards are played.

Domino Cards

Which term describes electric charge that can be held in one place?	Efficiency
What type of charge does an object with more protons than electrons possess?	Decreases
Object A is attracted to a neutral object. What do we know about the type of charge on object A?	Parallel
What is the unit of electric charge called?	Load
Object A is attracted to a positively charged object. What do we know about the type of charge on object A?	Joule
What device is used to protect against the dangers of static electricity?	Thermal
Which term describes the amount of electric potential energy per one coulomb of charge?	Power
What is the SI unit for potential difference?	Ammeter
What is the SI unit for electrical current?	Switch
What term is used to describe the property of any material that slows down the flow of electrons?	EnerGuide label

DATE:

NAME:

CLASS:

Activity 10
 continued

Which term describes a device that can turn a circuit on or off by closing or opening the circuit?	Volt
As the temperature of a piece of wire increases, how does its resistance change?	Transformer
An aluminum wire has a greater resistance than a copper wire that is identical in size. Which factor affecting the resistance of a wire accounts for this?	Voltmeter
<i>Electrical resistance is the ratio of the voltage to the current.</i> What term is used to describe this statement?	Magnets
When one bulb in a string of lights burns out, none of the other bulbs lights. How must these bulbs be connected?	Fuel cell
As the resistance of a circuit increases, how does the current in the circuit change?	Fuse
A battery consists of three cells, each 1.5 V. If the effective voltage of the battery is 1.5 V, how are the cells connected?	Static electricity
What term is used to describe a device that transforms electrical energy into other forms of energy?	Resistance
What unit is used to measure energy?	Positive
What unit is used to measure power?	Ampere

What term is used to describe the rate of change in energy?	Positive or negative
What device is used to measure the flow of current in a circuit?	Lightning rod
What is an example of a protective device used in an electric circuit?	Coulomb
What tells you how much energy an appliance uses in a typical year of use?	Potential difference
Which device can be used to measure the potential drop across a resistor?	Neutral or negative
Along with a coil of wire, what else can be found in an electrical generator?	Increases
What is an example of an alternative source of electrical energy?	Nature of material
Which electrical device is used to change voltage?	Series
Which type of generating station burns fossil fuels?	Ohm's law
What term is used to describe the percentage of energy converted into a useful form?	Watt