



# Electricity and Circuits

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. Rubbing two objects together can transfer \_\_\_\_\_ from one object to the other.
2. A television converts electrical energy into light and \_\_\_\_\_ energy.
3. A material that slows or stops the flow of electricity is called an \_\_\_\_\_.
4. When a negatively charged balloon is brought near small pieces of paper, the paper is \_\_\_\_\_ to the balloon.
5. A motor converts electrical energy into \_\_\_\_\_ energy to make things spin.
6. The rapid movement of electrons through a conductor is called electric \_\_\_\_\_.
7. Two balloons that are both negatively charged will \_\_\_\_\_ each other when brought close together.
8. An electric \_\_\_\_\_ is a sudden discharge of static electricity between a cloud and the ground.
9. The part of a circuit that uses electricity to do work is called the \_\_\_\_\_.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

copper wire	→ _____	sudden discharge of built-up charge
rubber gloves	→ _____	converts electrical energy to light
light bulb	→ _____	carries electricity through a circuit
_____	→ _____	_____

## Answer Key · Electricity and Circuits · Grade: Grade 4

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. Rubbing two objects together can transfer electrons from one object to the other.
2. A television converts electrical energy into light and sound energy.
3. A material that slows or stops the flow of electricity is called an insulator.
4. When a negatively charged balloon is brought near small pieces of paper, the paper is attracted to the balloon.
5. A motor converts electrical energy into mechanical energy to make things spin.
6. The rapid movement of electrons through a conductor is called electric current.
7. Two balloons that are both negatively charged will repel each other when brought close together.
8. An electric lightning is a sudden discharge of static electricity between a cloud and the ground.
9. The part of a circuit that uses electricity to do work is called the load.

### Part B: Matching

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

copper wire	→ <u>carries electricity through a circuit</u>	sudden discharge of built-up charge
rubber gloves	→ <u>protects hands from electric current</u>	converts electrical energy to light
light bulb	→ <u>converts electrical energy to light</u>	carries electricity through a circuit
static shock	→ <u>sudden discharge of built-up charge</u>	protects hands from electric current