



# Electricity and Magnetism

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

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

Grade: Grade 3

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. Large buildings where electricity is made for many homes are called power \_\_\_\_\_ .
2. A small portable power source used in flashlights is a \_\_\_\_\_ .
3. You should never put metal objects into a wall \_\_\_\_\_ because it is very dangerous.
4. Keep electrical cords away from \_\_\_\_\_ because this liquid conducts electricity.
5. A wire that carries electricity safely is usually covered in plastic \_\_\_\_\_ .
6. Electricity can travel from a power plant to homes through long \_\_\_\_\_ lines.
7. Solar \_\_\_\_\_ are panels that use sunlight to make electricity.
8. You should \_\_\_\_\_ unplug a cord by yanking only the wire.
9. A frayed or damaged cord should be \_\_\_\_\_ used in your home.

## Part B: Matching

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

1. Match each item to its correct answer.

|             |         |                              |
|-------------|---------|------------------------------|
| Battery     | → _____ | Makes electricity for a city |
| Power plant | → _____ | Uses sunlight for energy     |
| Solar panel | → _____ | Powers a flashlight          |
| Frayed cord | → _____ | Unsafe and must be replaced  |

## Answer Key · Electricity and Magnetism · Grade: Grade 3

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. Large buildings where electricity is made for many homes are called power plants .
2. A small portable power source used in flashlights is a battery .
3. You should never put metal objects into a wall outlet because it is very dangerous.
4. Keep electrical cords away from water because this liquid conducts electricity.
5. A wire that carries electricity safely is usually covered in plastic insulation .
6. Electricity can travel from a power plant to homes through long power lines.
7. Solar cells are panels that use sunlight to make electricity.
8. You should never unplug a cord by yanking only the wire.
9. A frayed or damaged cord should be not used in your home.

### 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.

|             |                                       |                              |
|-------------|---------------------------------------|------------------------------|
| Battery     | → <u>Powers a flashlight</u>          | Makes electricity for a city |
| Power plant | → <u>Makes electricity for a city</u> | Uses sunlight for energy     |
| Solar panel | → <u>Uses sunlight for energy</u>     | Powers a flashlight          |
| Frayed cord | → <u>Unsafe and must be replaced</u>  | Unsafe and must be replaced  |