

Name: _____

Watt Could Go Wrong?

Part 1

Directions:

Using the electricity safety notes given to you by your teacher, complete the RAFT activity below.

Electricity Safety RAFT Writing Assignment

You are a safety inspector who just completed a walk-through of a classroom or home. Based on what you've learned from your electrical safety notes, your job is to create a short, engaging message to help others avoid unsafe practices. This is your chance to turn technical knowledge into a creative and useful message that can educate others.

Your RAFT Task

Role:	Safety Inspector or Electrician
Audience:	Middle School Students or Younger Siblings
Format:	PSA Poster, Letter or Informational Comic
Topic:	How to avoid common electrical hazards at home or school

Your writing should include:

- At least three common electrical hazards and what makes them dangerous.
- One or two electrical safety tips from the notes.
- A consequence that might happen if the rule is ignored.
- Language that is clear and understandable for a younger audience.
- Optional: Add drawings or visuals if creating a poster or comic.

Need Ideas? Try One of These:

- Write a letter to a younger sibling warning them about using damaged cords.
- Create a poster showing how to use GFCI outlets and why they're important.
- Design a comic strip where a character breaks a safety rule and learns the hard way.
- Write a message from the point of view of a power strip that's tired of being overloaded!

RAFT Rubric

Criteria	Excellent (4)	Good (3)	Developing (2)	Limited (1)
Content Accuracy	All safety facts are accurate and clearly explained.	Most safety facts are accurate and explained.	Some safety facts are inaccurate or unclear.	Safety facts are mostly inaccurate or missing.
Inclusion of Required Elements	Includes at least three hazards, at least one safety tip and a consequence	Includes two hazards, one safety tip and a consequence.	Includes only one hazard and/or is missing some elements	Missing most or all required elements
Creativity and Voice	Highly creative and engaging; strong voice/tone	Some creativity and voice; moderately engaging	Limited creativity: tone is flat or inconsistent.	Lacks creativity or voice; not engaging
Audience Awareness	Perfectly tailored to a younger audience	Mostly appropriate for a younger audience	Partially considers the younger audience	Does not consider the audience's age
Presentation and Effort	Neat, polished and clearly shows strong effort	Mostly neat and shows good effort	Somewhat rushed or messy; moderate effort	Poorly presented; minimal effort shown

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Part 2

Directions:

You and your team will rotate through electrical safety situations posted around the room. Your job is to become safety experts by identifying the hazards and coming up with safer solutions. Record your answers in the chart below. Use your notes from Part 1 as needed.

Scenario	What Is the hazard?	What Could Go Wrong?	How Would You Fix It?

Complete the reflection questions below after your class discussion.

Reflection Questions:

1. What is one safety rule you'll be more aware of now after this activity?

2. If you had to add one more scenario to the activity, what would it be?

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Part 3

Directions:

Design a space like a bedroom, classroom, garage, kitchen or living room in the area below. In your drawing, include at least five electrical hazards. Once you are done, swap drawings with a partner and analyze their drawing. Your job is to spot and label as many hazards as you can in your partner's drawing. Complete the chart below as you analyze.

Hazard	Why It Is Dangerous	Safety Rule

1. What electrical hazards were the easiest and hardest to spot in your partner's drawing?
2. What does that tell you about how we notice or overlook danger in real life?

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Part 4

Directions:

You're now an Electrical Safety Detective! Before graduating from safety training, complete your final report below.

1. What is one fact or safety rule that shocked your brain (in a good way)?
Example: "I had no idea that ..."
2. Sketch or describe an electrical hazard you've seen in real life. Then write one step someone could take to fix or avoid it.
3. Write your best piece of advice for someone younger than you about staying safe with electricity.
4. On a scale of 1 to 5, how confident do you feel about spotting electrical hazards now?
(1 = Not confident, 5 = Very confident)

"Before this lesson, I didn't realize _____, but now I know _____."

5. What part of the lesson was your favorite, and why? You can draw it, write it or describe it like a comic panel.