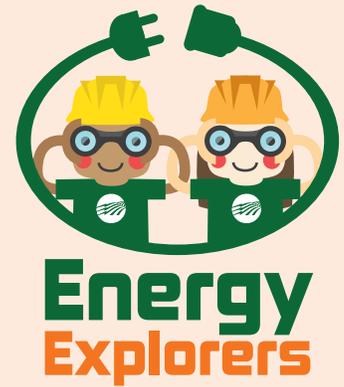


# SAFETY AMBASSADOR CHECKLIST



May is National Electrical Safety Month! Practicing electrical safety can save lives, and we want you to spread the message of safety. You can be a Safety Ambassador by completing the checklist below:

	TASK	COMPLETED
	With the help of an adult, make sure all electrical cords are out of the path of traffic in your home. Cords can be damaged when stepped on, creating a shock hazard.	<i>Use a check mark</i> <input type="checkbox"/>
	Test all light switches in your home to make sure they work properly. If a switch doesn't work, tell an adult so they can have the problem corrected.	<input type="checkbox"/>
	With the help of an adult, make sure all outlets in your home have faceplates covering all wiring. Exposed wiring is a shock hazard.	<input type="checkbox"/>
	Tell one friend why electrical safety is important to you.	<input type="checkbox"/>

After completing all tasks, you've become an *Electrical Safety Ambassador*! Cut out your badge here:



# SWIMMING POOL ELECTRICAL SAFETY

Water and electricity never mix! Remember to practice electrical safety when you're cooling off in the pool. Fill in the blanks in the electrical safety tips below. Use the word bank for help. *Hint: Check your answers in the key below.*



## SWIMMING POOL SAFETY TIPS:

1. If you hear \_\_\_\_\_, immediately exit the swimming pool. Storms may be near.
2. Never bring \_\_\_\_\_ devices near a swimming pool. If they come in contact with water, electric shock could occur. Devices should be kept at least 10 feet away from water sources.
3. Outdoor electrical outlets should be covered to keep them \_\_\_\_\_.
4. When possible, use \_\_\_\_\_ operated electrical devices when outside near a swimming pool.



### Word Bank:

electrical  
battery  
thunder  
dry

Answer Key:  
1. thunder 2. electrical 3. dry 4. battery



# ELECTRICAL SAFETY QUIZ

**Energy  
Explorers**

Electricity is great! We use it to light our homes, watch TV with our families and enjoy many other activities. But electricity can be dangerous if we aren't careful when using it. Test your electrical safety knowledge by answering the questions below.

- 1) It is safe to run extension cords under carpet or rugs in your home.
  - A. False
  - B. True
- 2) How often should smoke alarms in your home be tested?
  - A. Once a year
  - B. Once a month
  - C. Once every three months
- 3) How far should items be kept away from space heaters?
  - A. At least one foot
  - B. At least five feet
  - C. At least three feet
- 4) Overloaded outlets can overheat and cause a fire.
  - A. True
  - B. False
- 5) When using an electrical appliance or playing with an electrical toy outside, what is the minimum distance you should keep between yourself and any wet surface or swimming pool?
  - A. Ten feet
  - B. Five feet
  - C. Three feet

 How many did you get right? Check the answer key below!

Answers:  
1) A. 2) B. 3) C. 4) A. 5) A.



AMERICA'S ELECTRIC  
COOPERATIVES

# ELECTRICAL SAFETY QUIZ



Energy  
Explorers

May is National Electrical Safety Month! Test your electrical safety knowledge by taking the quiz below.

- 1) **Smoke alarms in your home should be tested \_\_\_\_\_ to ensure they work properly.**
  - A. Once a month
  - B. Once a year
  - C. Once a day
  
- 2) **Electrical cords should be placed under rugs or carpet to keep them out of the way.**
  - A. True
  - B. False
  
- 3) **What should you do if you are outdoors and hear thunder?**
  - A. Hide under a tree
  - B. Seek shelter indoors and wait at least 30 minutes
  - C. Stand still
  
- 4) **It is safe to leave the kitchen with a burner on, as long as it is a short amount of time.**
  - A. True
  - B. False



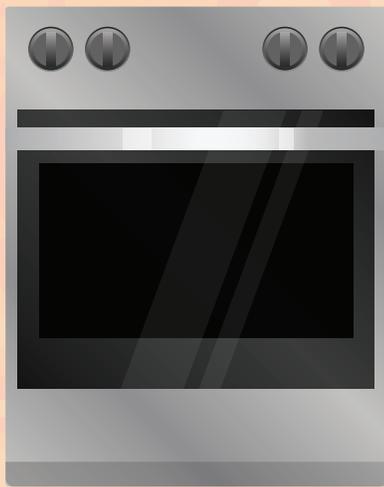
Be an *Electrical Safety Ambassador!* Cut out the safety badge and tell your family and friends about the importance of electrical safety.

**Answers:**  
1) A. False. Electrical cords should never be placed underneath carpet or rugs because they are potential fire hazards.  
2) B. False. You should never leave a kitchen burner unattended.  
3) B. False.  
4) B. False.

# ENERGY VAMPIRES ARE LURKING IN YOUR HOME

Save energy in your home by locating energy vampires!

These are the electronics and appliances that consume energy even when they are not being used. *Circle the energy vampires below, and use the key to check your answers.*



OVEN



CELL PHONE CHARGER



CABLE/SET TOP BOX



LAPTOP CHARGER



DISHWASHER



LAMP



Answer Key: Cell phone charger, Laptop charger, Cable box



**Energy  
Explorers**

# Energy Sources Activity

Did you know Americans use electricity that is generated from different fuel sources? Some fuel sources are renewable, meaning they harness natural energy from the Earth's resources, and some are non-renewable, meaning they use fossil fuels.

Do you know which energy sources are renewable and non-renewable? Use safety scissors to cut out the images below and place them in the correct row. Use the answer key to check your work.

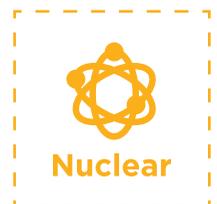
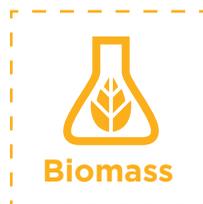
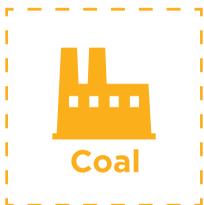
## Renewable Sources



## Non-Renewable Sources



**Answers:** Renewable Sources: Hydro, Wind, Biomass, Solar Non-renewable Sources: Natural Gas, Nuclear, Coal, Oil



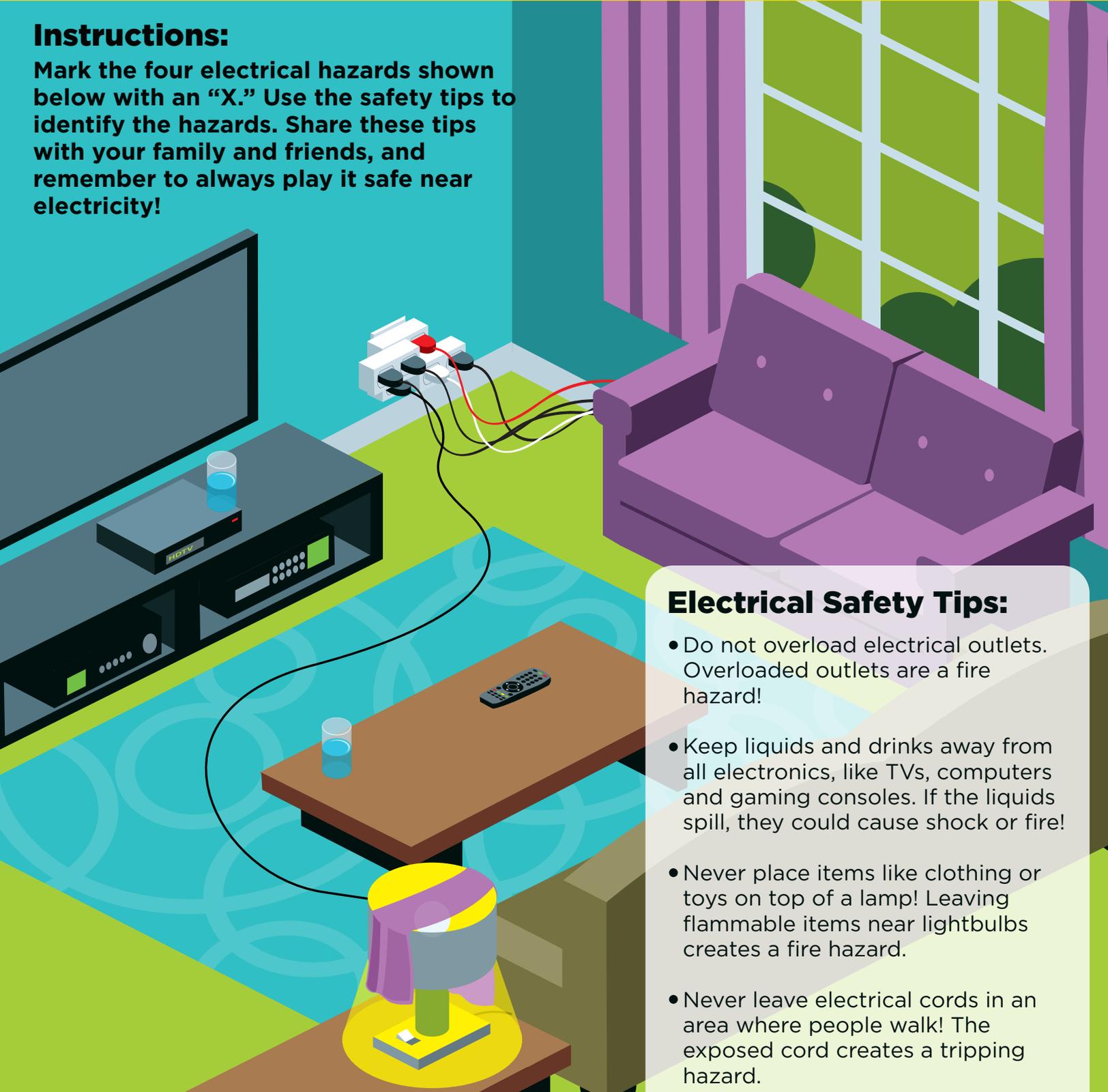
# Electrical Safety Activity



**Energy Explorers**

## Instructions:

Mark the four electrical hazards shown below with an "X." Use the safety tips to identify the hazards. Share these tips with your family and friends, and remember to always play it safe near electricity!



## Electrical Safety Tips:

- Do not overload electrical outlets. Overloaded outlets are a fire hazard!
- Keep liquids and drinks away from all electronics, like TVs, computers and gaming consoles. If the liquids spill, they could cause shock or fire!
- Never place items like clothing or toys on top of a lamp! Leaving flammable items near lightbulbs creates a fire hazard.
- Never leave electrical cords in an area where people walk! The exposed cord creates a tripping hazard.

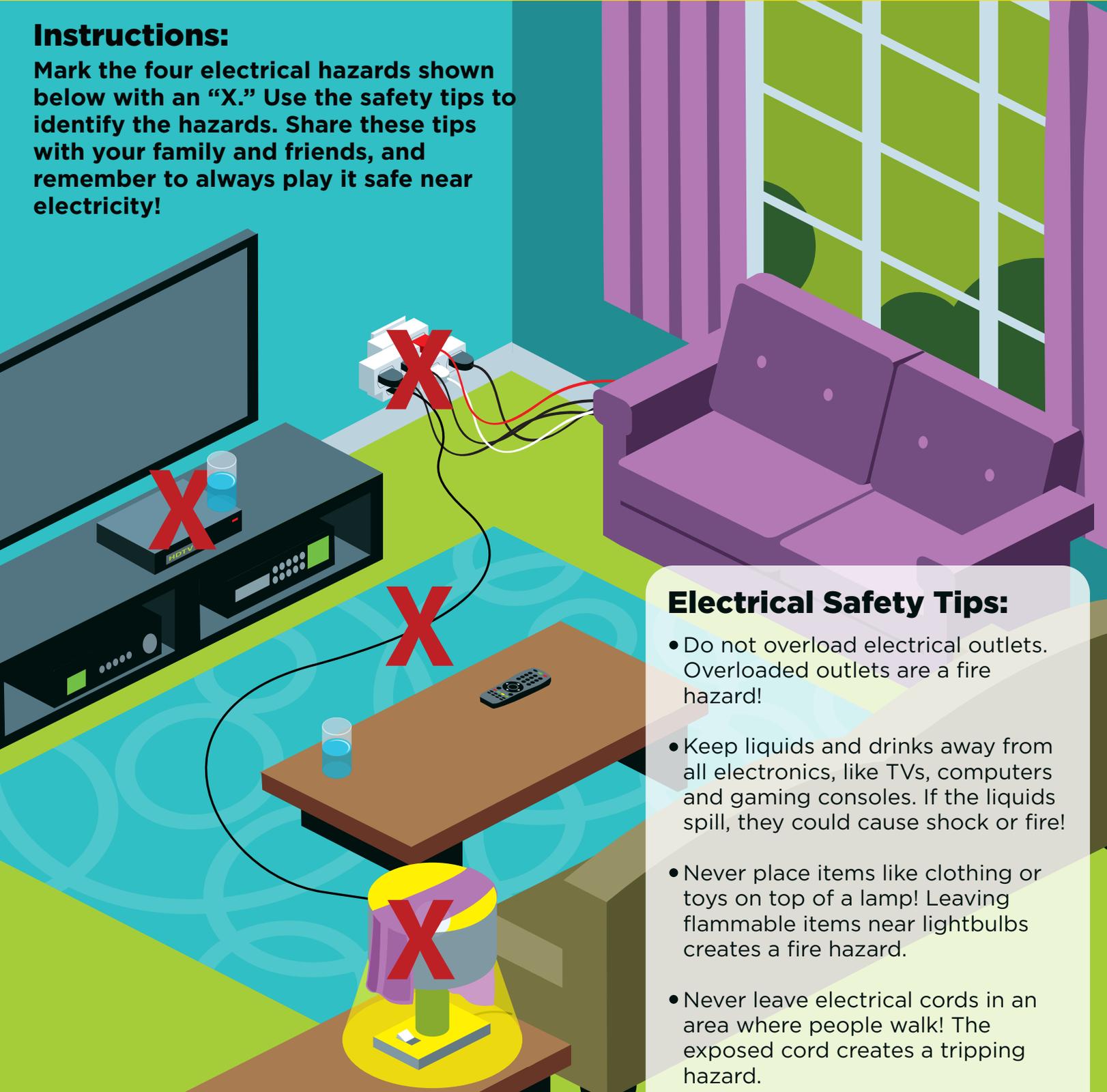
# Electrical Safety Activity Answers



**Energy Explorers**

## Instructions:

Mark the four electrical hazards shown below with an “X.” Use the safety tips to identify the hazards. Share these tips with your family and friends, and remember to always play it safe near electricity!



## Electrical Safety Tips:

- Do not overload electrical outlets. Overloaded outlets are a fire hazard!
- Keep liquids and drinks away from all electronics, like TVs, computers and gaming consoles. If the liquids spill, they could cause shock or fire!
- Never place items like clothing or toys on top of a lamp! Leaving flammable items near lightbulbs creates a fire hazard.
- Never leave electrical cords in an area where people walk! The exposed cord creates a tripping hazard.



## Energy Explorers

### FLIP THAT SWITCH DOOR HANGER

Save energy by turning off lights when you leave a room. You can remind friends and family to save energy with the door hanger below. Color it in, cut it out, and hang it in your house or even in your classroom at school!

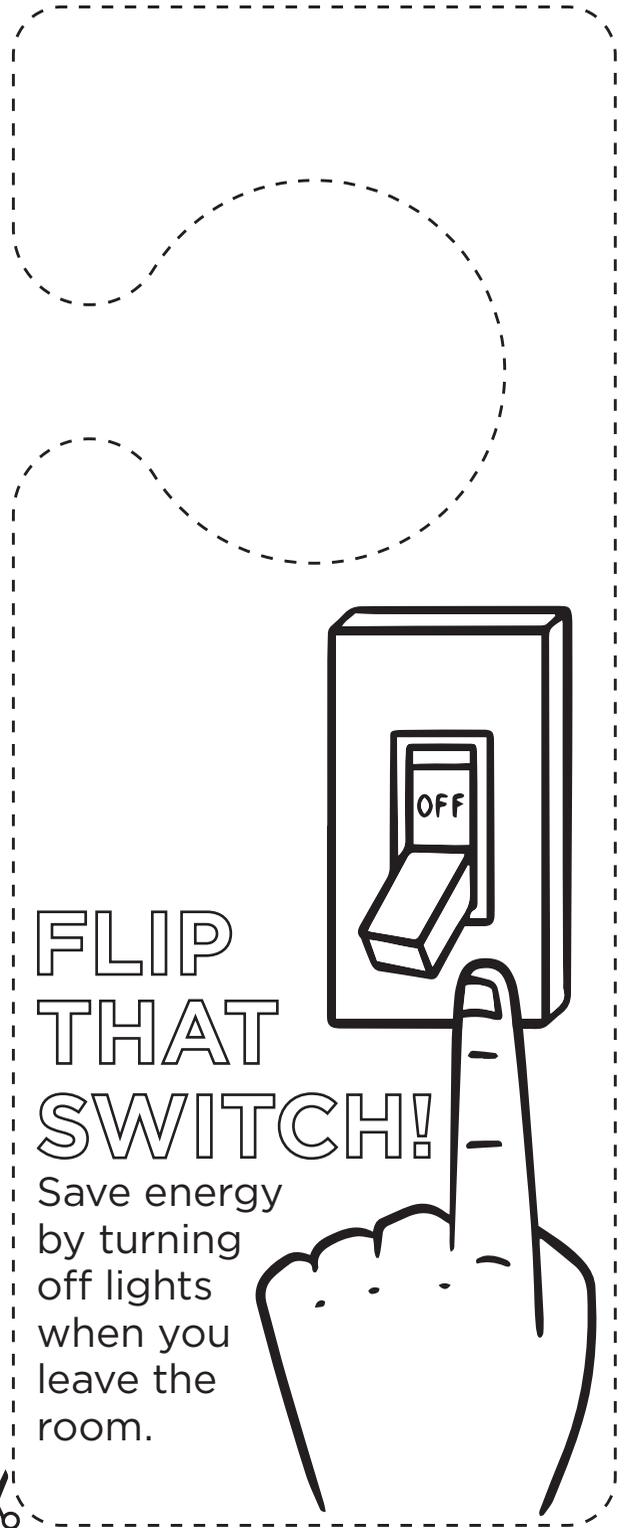


### LIGHTING FACT:

Residential LEDs — especially ENERGY STAR rated products — use at least 75% less

energy, and last 25 times longer, than incandescent lighting.

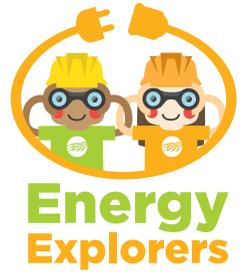
*(Source: Dept. of Energy)*



### FLIP THAT SWITCH!

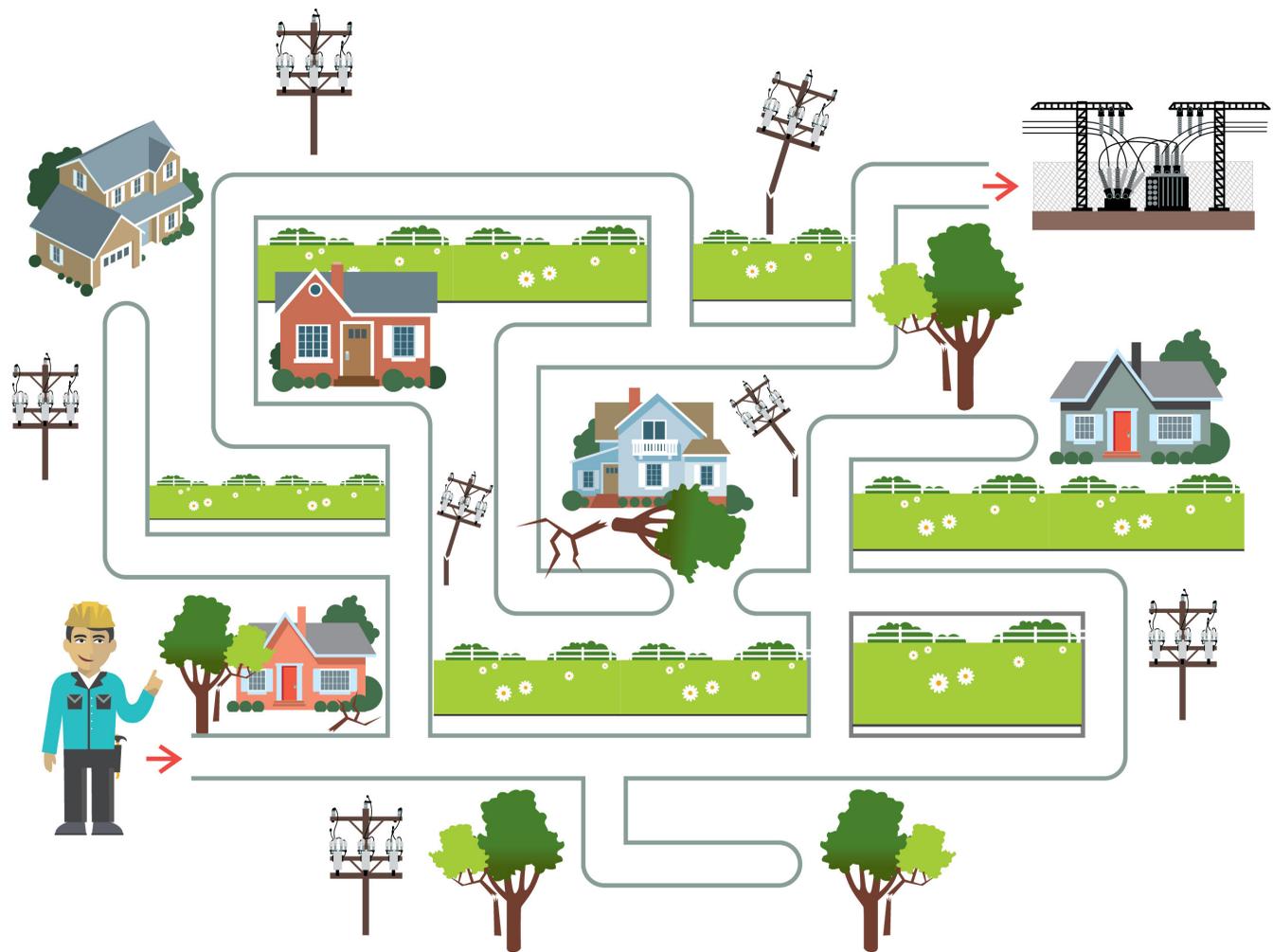
Save energy by turning off lights when you leave the room.

# HELP THE LINeworker REACH THE SUBSTATION



Lineworkers work in dangerous conditions to restore electricity after major storms and other types of power outages. Many times, lineworkers make substation repairs to get the power back on.

**Can you help the lineworker get to the substation?**



# ENERGY CONSERVATION TIPS FOR KIDS!



Did you know there are small things you can do to help your family conserve energy at home? Fill in the blanks below to learn how you can help. Use the word bank below if you need a hint!

- 1 Turn the \_\_\_\_\_ off while you're brushing your teeth. You can save several gallons a month just by taking this simple step.
- 2 Any time you leave a room, remember to turn off the \_\_\_\_\_. Ask your parents if they use LED lights, which save the most energy!
- 3 With the help of your parents, \_\_\_\_\_ glass, plastic, paper and aluminum items.
- 4 When the heat or air conditioning is running, always keep \_\_\_\_\_ to the outside closed.
- 5 Take short \_\_\_\_\_ instead of baths to conserve water use.

## Word Bank

Showers  
Doors  
Water  
Recycle  
Lights





# ENERGY EFFICIENCY QUIZ



**Energy Explorers**

Are you an energy efficiency whiz?

Test your knowledge by taking the quiz below.

*Hint: Check your answers at the bottom of the page.*

**1. Taking a long bath saves more energy than taking a short shower.**

A) True    B) False

**2. LED bulbs typically use \_\_\_\_\_ less energy than incandescent light bulbs.**

A) 75%    B) 50%    C) 35%

**3. Which of the following is an energy vampire? (Hint: Energy vampires consume energy even when they aren't being used.)**

A) Dishwasher    B) Electric mixer    C) TV

**4. If you see this logo on a product, it has an excellent energy efficiency rating.**

A) ENERGY SMART    B) ENERGY STAR    C) ENERGY WISE

**5. Turning off the tap water while brushing your teeth can save up to four gallons of water per minute.**

A) True    B) False

## ANSWER KEY

ANSWERS: 1. B 2. A 3. C 4. B 5. A

# GEARED FOR SAFETY

Electric co-op lineworkers wear special gear to help them stay safe on the job. Can you match the descriptions below to the correct safety equipment? Use the answer key to check your work!



## Energy Explorers

Hard Hat

Safety Goggles

Flame-Resistant Clothing

Insulated Gloves

1. These provide extra protection while lineworkers work with heavy materials that could fall near their feet.

---

2. This material keeps lineworkers safe from electrical hazards.

---

3. This protects lineworkers from head injuries and falling debris.

---

4. These insulated protectors keep lineworkers safe from electrical shock while working on power lines.

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5. These keep debris away from lineworkers' eyes while on the job.

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6. This is a handy piece of safety gear that holds tools and other equipment.

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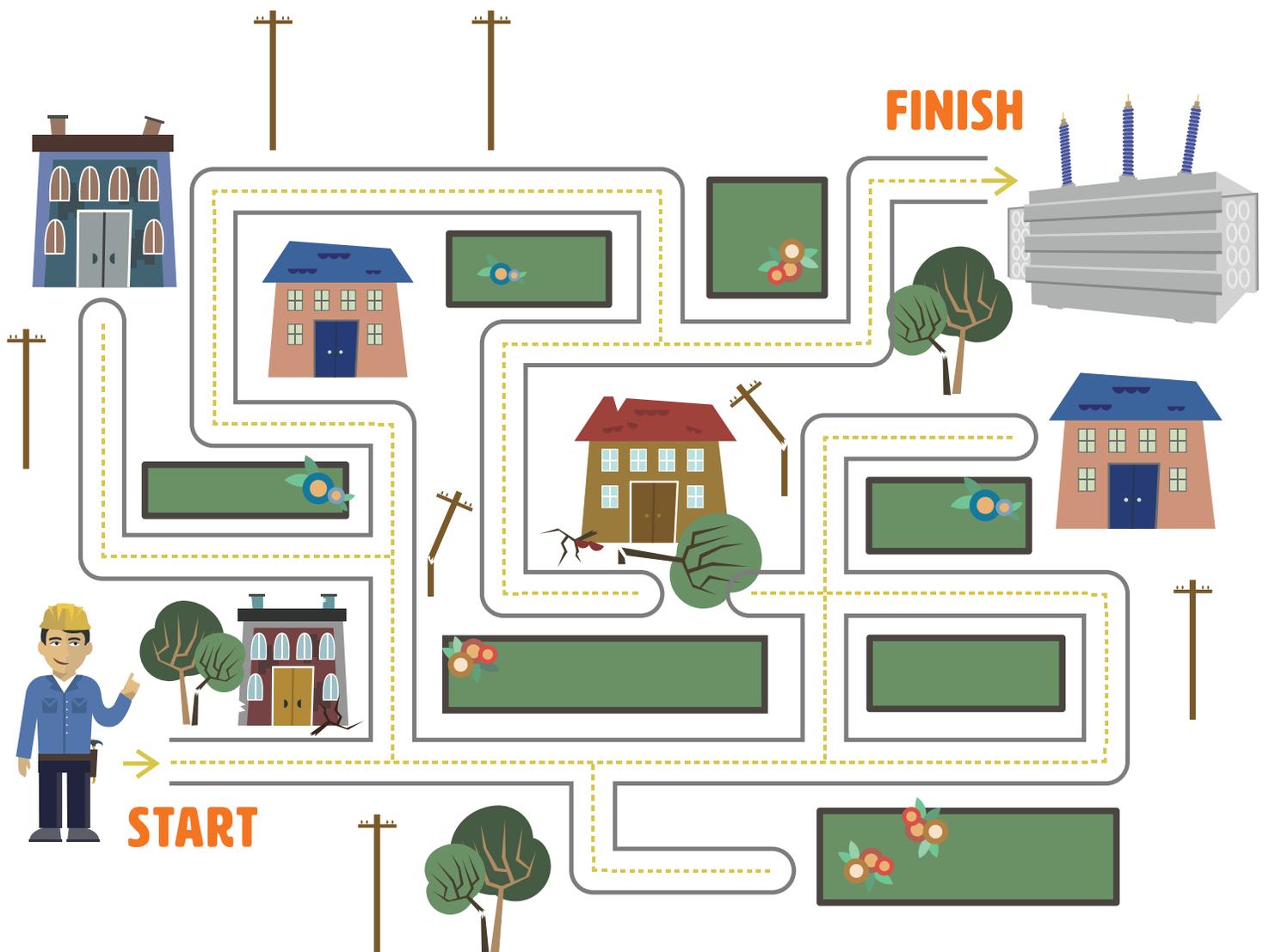
Answers: 1. Work Boots 2. Flame-Resistant Clothing 3. Hard Hat 4. Insulated Gloves 5. Safety Goggles 6. Equipment Belt

# POWER OUTAGE MAZE ACTIVITY



If you've ever experienced a severe storm, you're probably familiar with power outages. Our local linemen come to the rescue and are responsible for fixing electrical damage to restore power to our homes.

*Help the lineman get to the transformer to fix the power outage!*



# Circuit Sentences & Matching Activity

ESFi.org

**Name:**

A **circuit sentence** has no spaces between the words. Your challenge is to place slashes where you think the spaces should go. Each sentence contains a safety message. One has already been completed for you.

The second part of this activity challenges you to match the pictures with the sentences that describe what you see. Most of these are pictures of things you should not do! Draw a line from the end of the sentence to the matching picture. One has already been completed for you.

**Sample:** Don't/plug/too/many/things/into/one/outlet.



1. Waterandelectricitydon'tmix.



2. Makesureelectricalcordsarenotfrayedorbroken.



3. Neverdrythingsbyputtingthemonalamp.



4. Don'tputelectricalcordsundercarpet.



5. Placeelectricalcordswhereyouwon'ttriponthem.



6. Putsmokealarmsoneachlevelofthehouse.



7. Testsmokealarmsatleastonceamonth.



8. Replacesmokealarmbatteriesatleastonceayear.



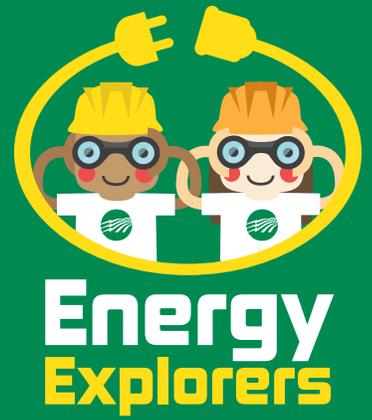
9. Keepthingsthatcanburnawayfromspaceheaters.



Visit [kids.esfi.org](http://kids.esfi.org) for more free educational resources.



# SORTING THINGS OUT



Recycling is important for the future of our planet! Can you sort the items below into the correct bin? Write the name of the item in the correct category.

RECYCLE	GARBAGE



Water Bottle

Apple

Cardboard Box

Sandwich

Juice Box

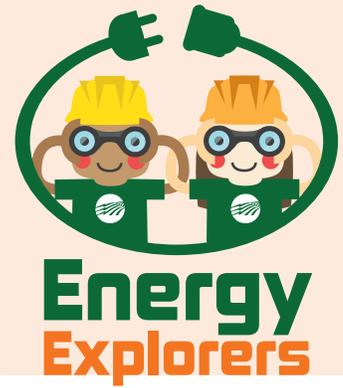
Soda

Newspaper

Styrofoam Cup

**Answer Key:**  
**RECYCLE:** Water Bottle, Cardboard Box, Juice Box, Soda Can, Newspaper  
**GARBAGE:** Apple, Sandwich, Styrofoam Cup

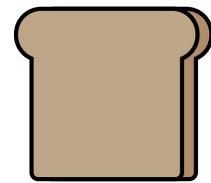
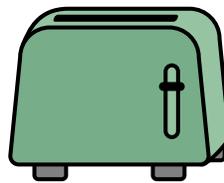
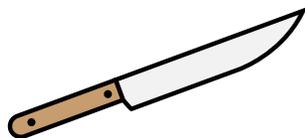
# ELECTRICAL HAZARD ACTIVITY



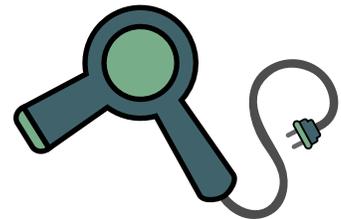
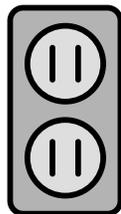
The Energy Explorers want to remind you to always practice electrical safety! Remember, electricity can be dangerous, so make sure to avoid electrical hazards.

**DIRECTIONS:** Circle the item that doesn't belong. **HINT:** If all three items in the row were combined, which would make the situation an electrical hazard?

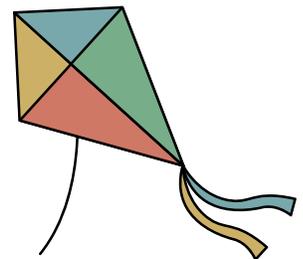
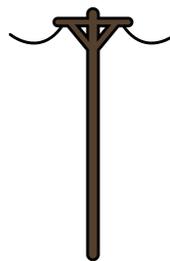
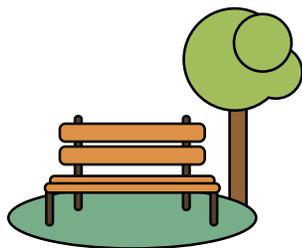
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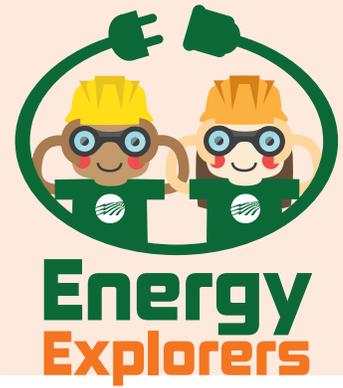
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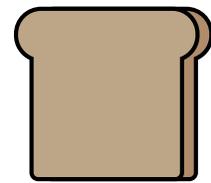
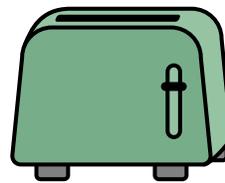
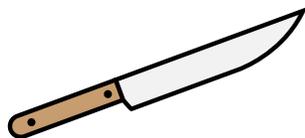
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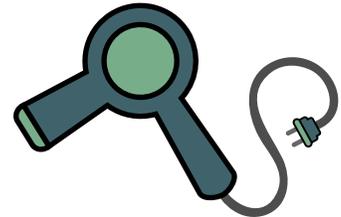
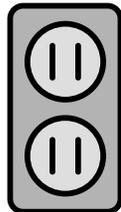
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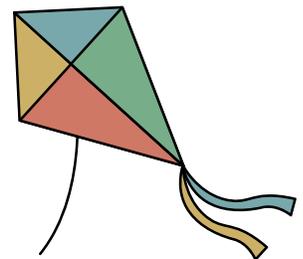
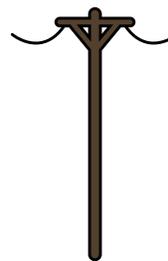
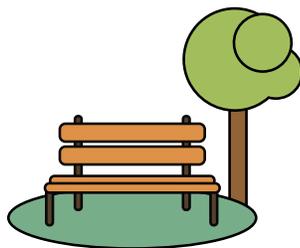
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2



3



Answer Key

1. KNIFE

2. SINK

3. POWER LINES