



The National
Theatre for Children

This booklet belongs to:

THE SAFETY CIRCUS

Play it
safe around
electricity!

**Take this
booklet home!**
Share the activities inside
with your family to help
them stay safe around
electricity, too.



THE SAFETY CIRCUS

THE STORY

Jack “Sully” Sullivan, the owner of Sully’s Safety Circus, has a problem. The mayor is coming to visit! That’s not the problem. The problem is that The City is sending an inspector to see if Sully and her performers are using electricity safely. Sully doesn’t know anything about electrical safety. If The City shuts down her circus, she’ll be ruined. Ruined! Luckily, Sully has some friends who know a thing or two about electricity. Complete these puzzles and activities to help Sully pass the inspection and keep the circus running!

EDUCATIONAL CONCEPTS

- How electricity is made
- The uses of electricity
- How to identify dangerous electrical situations
- Ways to stay safe around electricity

WORDS TO KNOW

| | |
|----------------------------------|---|
| Conductor | A material electricity passes easily through, like water or metal |
| Danger High Voltage Signs | Signs placed on dangerous electrical equipment to warn us to stay away |
| Electricity | A form of energy that we use to run TVs, computers and many other things |
| Insulator | A material that electricity does not travel easily through, such as plastic or rubber |
| Outlet | A place in the wall where electricity comes into the house and we plug in electrical devices |
| Power Lines | Wires used to send electricity from power plants to our homes, schools and businesses (usually in the air connected to utility poles) |
| Power Plant | A building where electricity is generated |
| Substation | A fenced-in area where electricity is prepared for use in our homes |
| Transformer | A device on a utility pole or on the ground that transforms electricity so it is useful in our homes |
| Turbine | A giant fan-like device used in making electricity |

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Wrench



Ursus Grizzly



Mr. Cookiepants



Jackie Sullivan

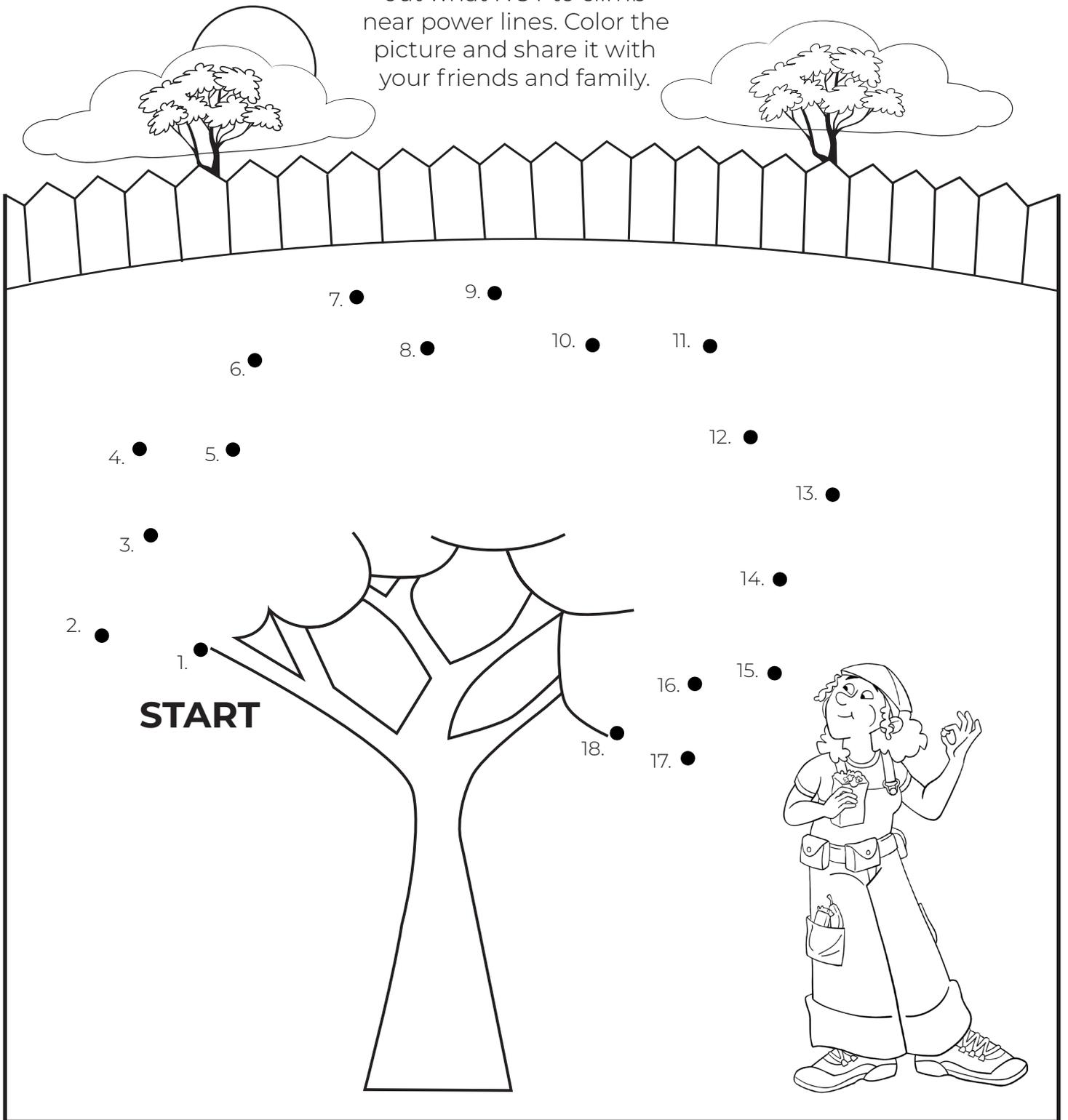


Beetle Bombardier



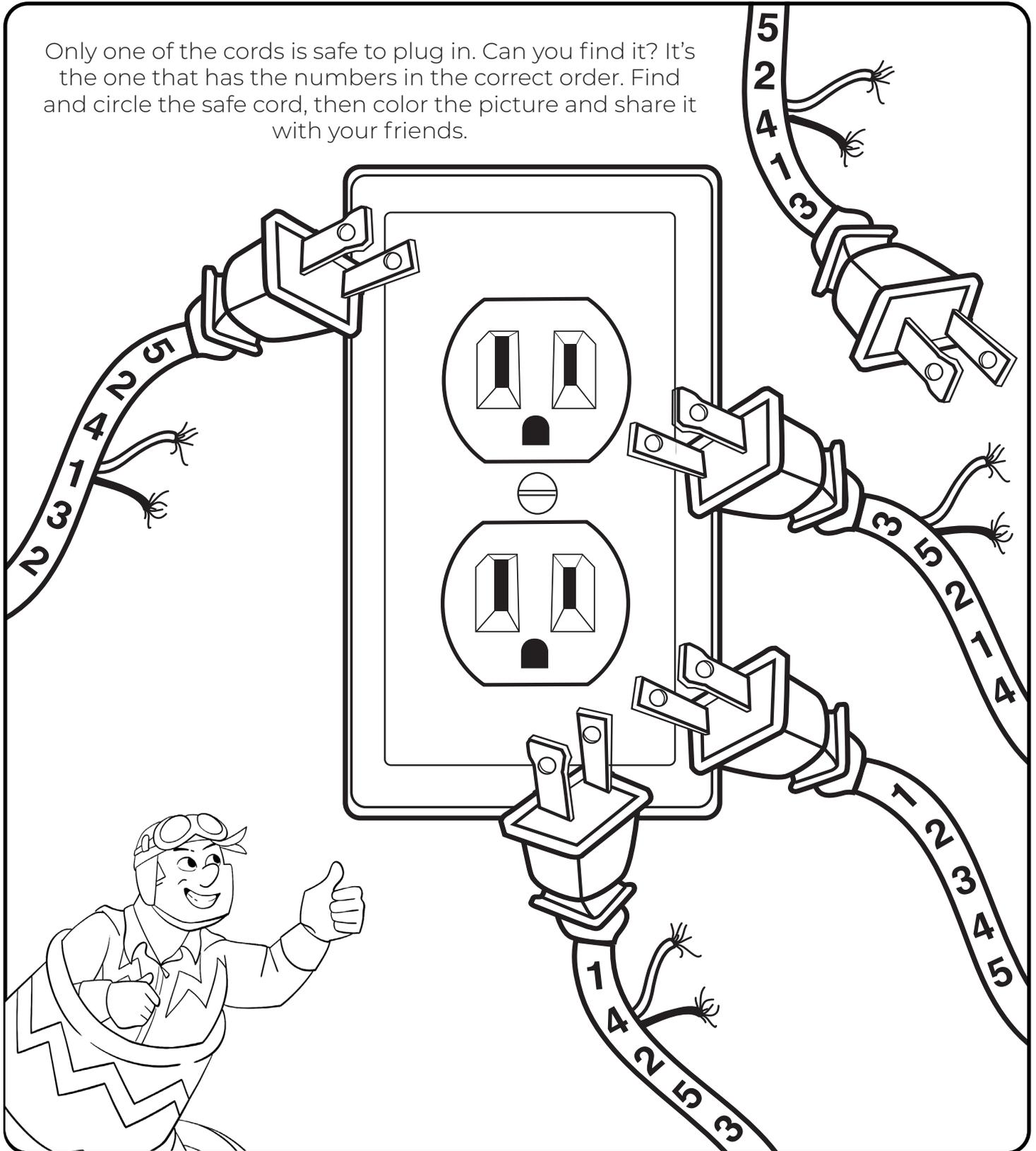
BE SAFE

Connect the dots to find out what NOT to climb near power lines. Color the picture and share it with your friends and family.



Counting Caper

Only one of the cords is safe to plug in. Can you find it? It's the one that has the numbers in the correct order. Find and circle the safe cord, then color the picture and share it with your friends.



All Mixed up

How do you stay safe around electricity?
Unscramble the bricks and write the words in the correct order to reveal the hidden message.



AWAY

LINES

POWER

DOWNED

FROM

STAY

| | | |
|-------------|--|--|
| STAY | | |
| | | |

SULLY'S

Math Message



You can follow this electrical safety rule when you are in the bathroom or the kitchen. Do the math and fill in the spaces below to discover Sully's safety rule. Read the sentence out loud once you have completed it.

$5 + 3 =$

AND

$12 - 2 =$

WATER

$9 \div 3 =$

NOT

$7 + 4 =$

DO

$6 \times 1 =$

MIX

$8 - 7 =$

ELECTRICITY

10

8

1

11

3

6

JOIN THE

Safety Circus

Write two ways you use electricity, and two ways you stay safe around electricity.
Then draw and color a picture of yourself.



Ways to use electricity:

Ways to stay safe around electricity:

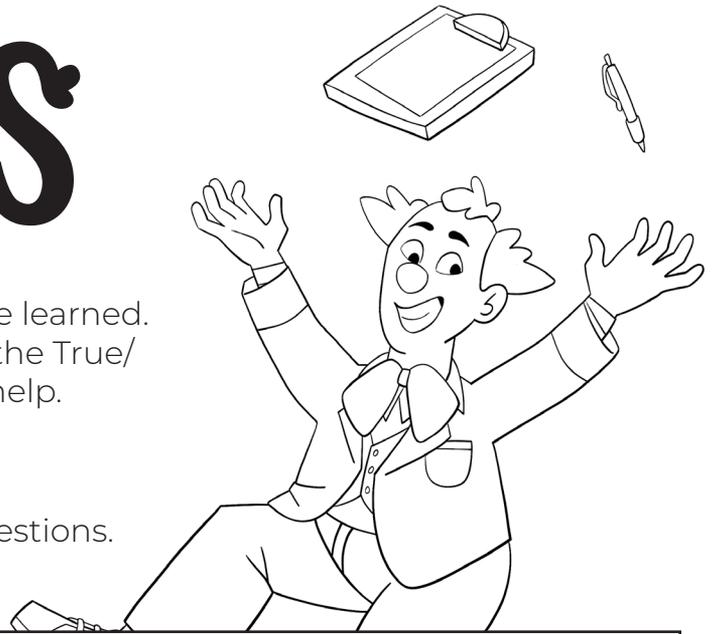
PLAYING IT SAFE

Facts

It's time to show Mr. Cookiepants what you have learned. Read the paragraphs below and then answer the True/False questions. Ask an adult if you need help.

EXTRA CREDIT

Read the article to someone else. Quiz them by asking them the True/False questions.



WHAT FACTS DO YOU KNOW ABOUT ELECTRICITY?

Electricity is a basic form of energy and is one of our most useful sources of power. We need electricity to do things every day. Electricity lights our homes and runs our computers. Without it, we wouldn't be able to listen to music, run our appliances, watch television or even charge our cellphones.

Where does electricity come from? At a power plant, we use natural gas or nuclear power to make electricity. We also use hydroelectric dams, which use the force of moving water to create electricity. Wind turbines and the sun can also be used to generate electricity. The electricity then travels through power lines to a substation, where it is broken down into less powerful amounts to use in our homes. We always have to be careful around electricity, because it can be very dangerous. It can hurt or even kill us if we are not careful. So, remember The Safety Circus' motto:

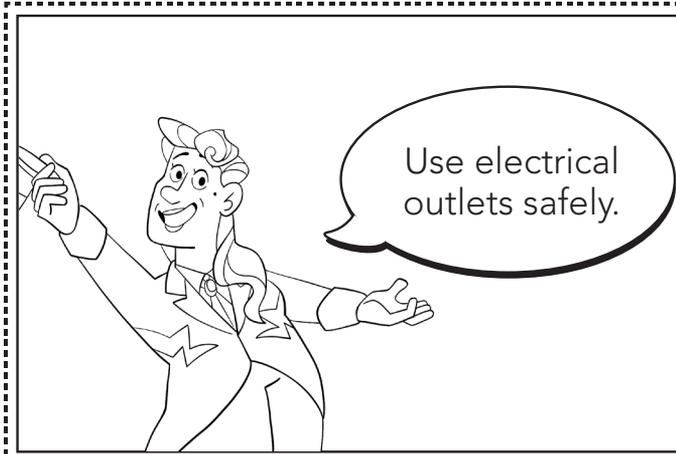
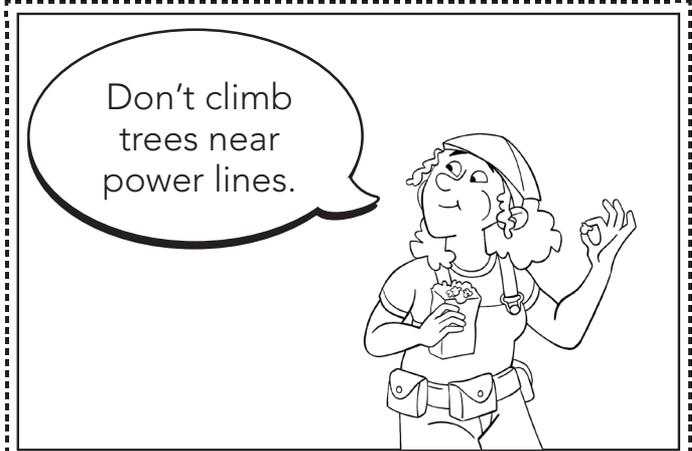
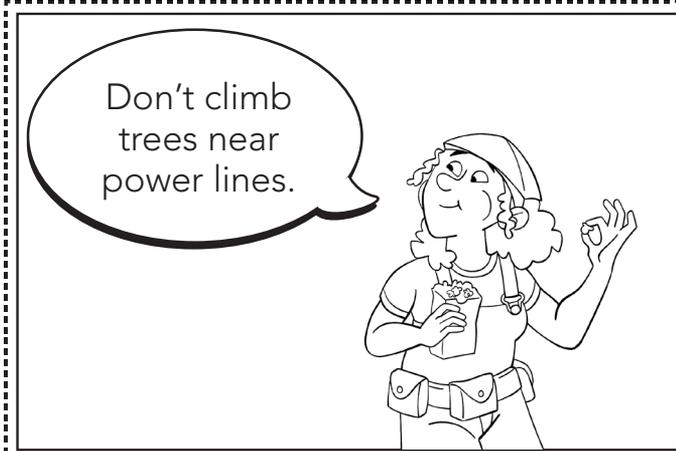
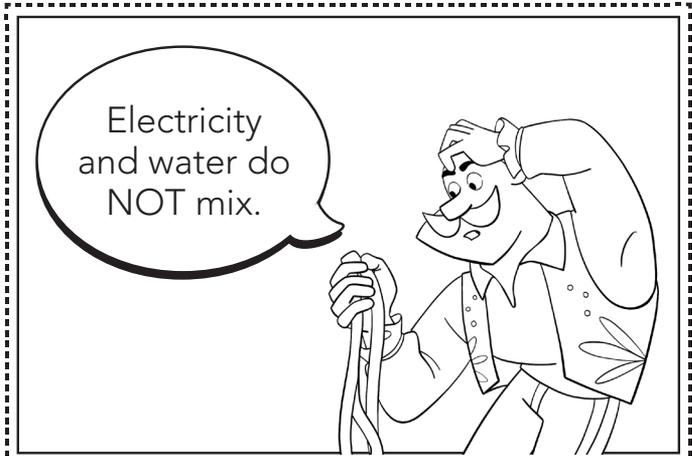
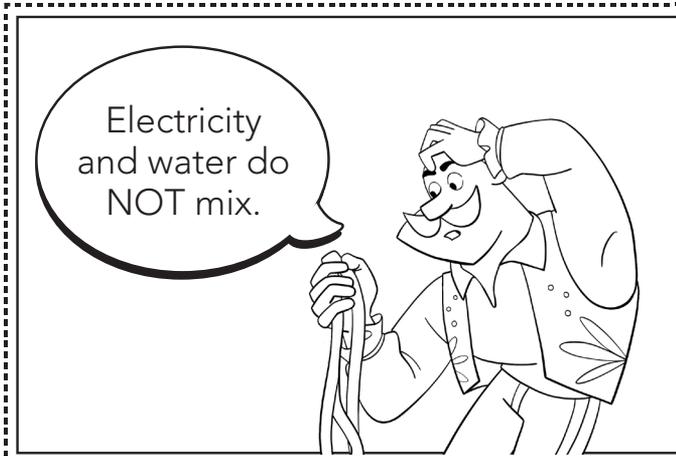
Play It Safe Around Electricity!

- T/F** 1. A power plant is a tulip with super powers.
- T/F** 2. Electricity travels through power lines.
- T/F** 3. We only use electricity once a week.
- T/F** 4. Electricity is produced in power plants.
- T/F** 5. A substation makes delicious sandwiches.
- T/F** 6. Always remember to play it safe around electricity.

THE SAFETY

Match Game

Color and cut out the picture boxes along the dotted lines. With a friend or family member, place the cards upside down and mix them around. Flip two cards at a time until you find matches. The player who finds the most matching sets wins. Ask an adult if you need help.





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