



The National
Theatre for Children

This booklet belongs to:

ONCE UPON A FLAME



LGE & KU
PPL companies

Take this booklet home!

Share the activities inside with
your family to help them save
natural gas, too.

ONCE UPON A FLAME

Welcome to Fairytale-sylvania, where TinkerFred is having the worst morning ever! His lights won't turn on, his water is ice cold, and his oven won't work. With Tinkerbell's birthday party on the line, TinkerFred sets off through the enchanted woods to find answers.

Along the way, he meets Little Blue Riding Hood, who explains how natural gas powers our homes; Scratching Beauty, who shares the rules for staying safe around electricity; and the Regular-Sized Good Wolf, who teaches TinkerFred what to do if you ever smell a rotten-egg odor and why you should always call 8-1-1 before digging in your yard.

But standing in TinkerFred's way is the Wicked Witch of the Upper Northwest, who wants to waste every last drop of natural gas and create dangerous electrical situations across the land. Can TinkerFred stop her in time to save the party?



Wicked Witch of the Upper Northwest

WORDS TO KNOW

Conserve	To use wisely; the opposite of waste
Conductor	Material or object that electricity passes through easily
Electricity	A type of energy that powers lights, computers, TVs and many other things
Natural Gas	A resource used in our homes for cooking and heating
Natural Resource	Something that is found in nature and useful to humans (coal, water and natural gas are examples)
Pipeline	A long tube, often underground, used to transport oil, natural gas or water over great distances
Mercaptan	The rotten egg smell that is added to natural gas so you can tell if there is a leak
Safety	Avoiding injury or danger

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Tinkerfred



Scratching Beauty



The Regular Good-Sized Wolf

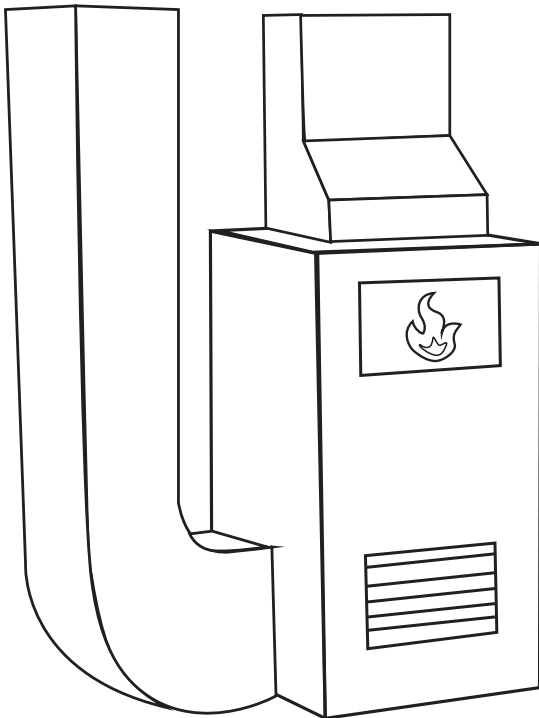


Little Blue Riding Hood

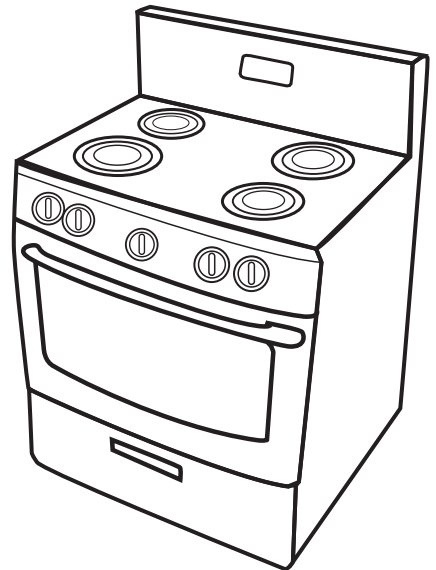
COLOR AND SHARE

We use natural gas in many ways. Color the pictures and hang your work where friends and family will see it.

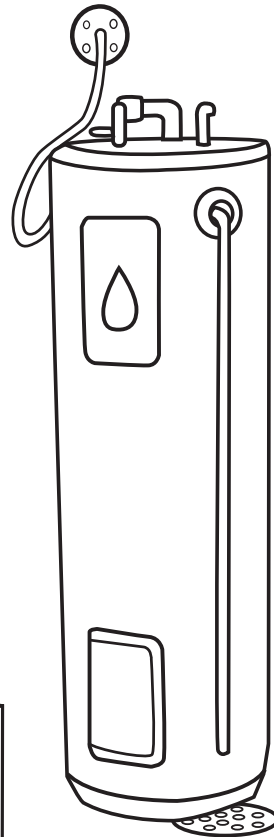
FURNACE



OVEN AND STOVETOP

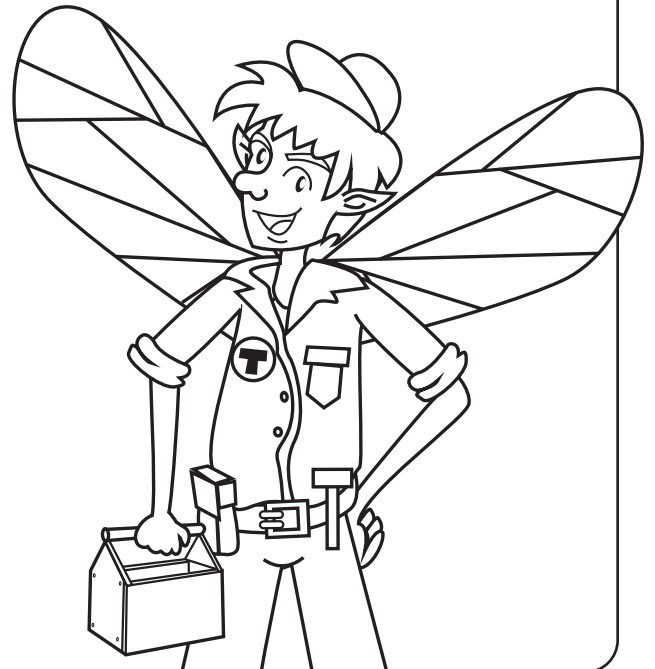


WATER HEATER



Dig Deeper!

Ask a grown up to help you find these appliances in your home. Do yours run on natural gas?



MATCHILY EVER AFTER

Find and circle the matching messages, then cross out the other messages. Rewrite the crossed-out messages to help everyone be safe around natural gas and electricity.

You can put anything in an outlet.

Water and electricity don't mix.

Don't climb trees near powerlines.

Natural gas smells like rotten eggs.

Don't climb trees near powerlines.

Natural gas isn't important in our homes.

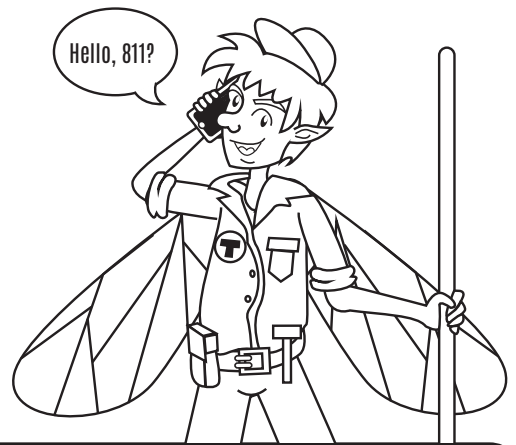
Water and electricity don't mix.

Don't tell anyone if you smell natural gas.

Natural gas smells like rotten eggs.

**DRAW A
LINE TO**

DEFINE



Draw a line between the words on the left to the correct definitions on the right, using the pipelines.

Conserve

Electricity

Conductor

Natural Gas

Natural Resource

Pipeline

Safety

A type of energy that powers lights, computers, and many other things

Something that is found in nature and useful to humans (coal, water and natural gas are examples)

To use wisely; the opposite of waste

Material or object that electricity passes through easily

A long tube, often underground, used to transport oil, natural gas, or water

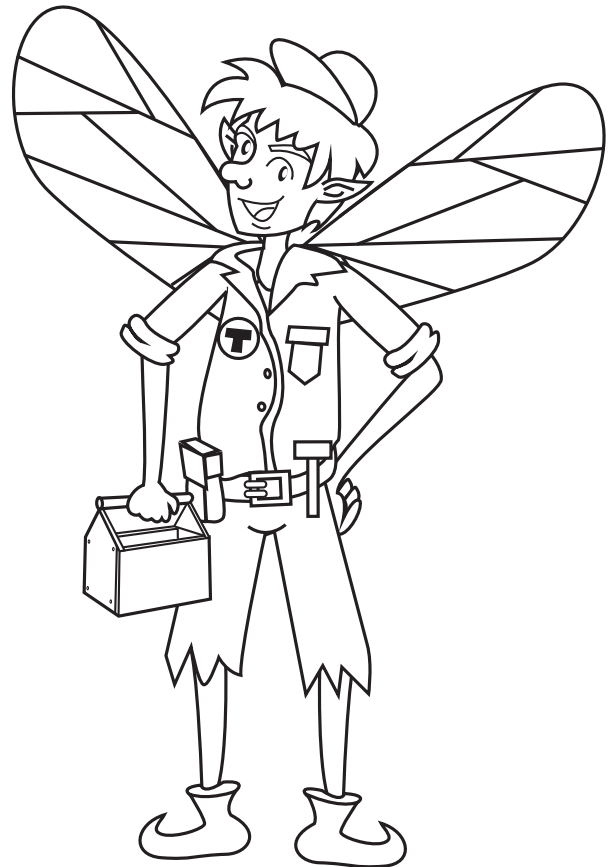
Avoiding injury or danger

A resource used in our homes for cooking and heating

SPREAD THE WORD

Pretend you just started a newspaper called the *Safety Gazette*. How would you write an article for the paper to let everyone know what you have learned about electricity, natural gas and being safe? If you want to complete the rest of the activities first, that's okay! When you're ready to write your article, make sure it includes **how we use natural gas and electricity**, **how we can conserve natural gas and electricity** and **how to stay safe around natural gas and electricity**. Every good article includes a picture; draw something to go along with your article when you're finished writing.

Teachers/caregivers, have your student read their article out loud to you when they're done. Then, tear out the page and hang up their article somewhere everyone can see it!

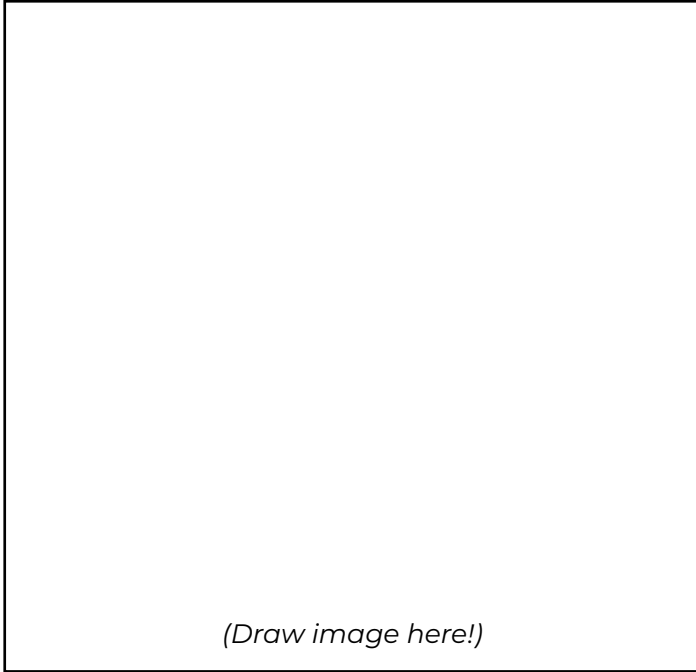


Dig Deeper!

Try using some of the vocabulary words on the inside cover of this booklet in your newspaper article. Then make sure you include them in the picture, too!

Safety Gazette

(Write headline here!)



MESSAGE MATH

Do the math and fill in the spaces below to discover a way to save energy.
Read the message out loud once you've completed it.

$97 - 5 = \square \quad E$

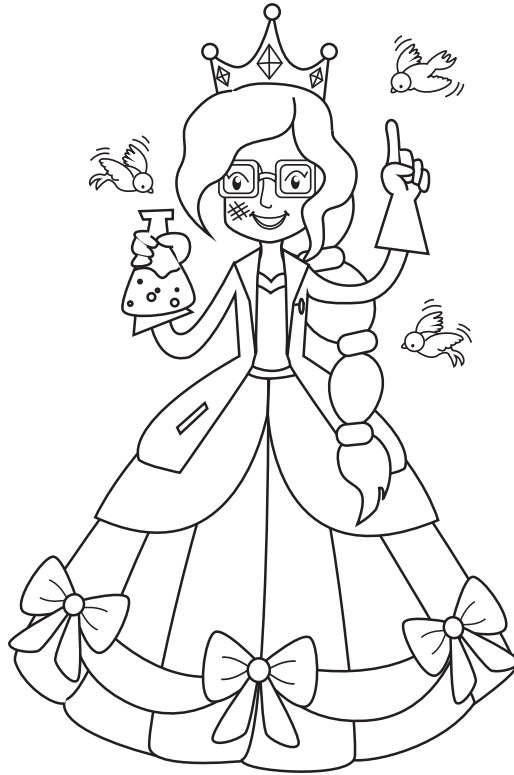
$40 + 5 = \square \quad A$

$3 \times 17 = \square \quad V$

$15 \div 5 = \square \quad H$

$10 \times 8 = \square \quad P$

$7 + 18 = \square \quad S$



$99 + 15 = \square \quad R$

$36 \div 6 = \square \quad U$

$13 + 7 = \square \quad O$

$12 - 12 = \square \quad N$

$33 \times 3 = \square \quad Y$

$65 - 9 = \square \quad T$

To save energy,

3 45 51 92 99 20 6 114

80 45 114 92 0 56 25





install a programmable thermostat.

SECRET CODE





Use the secret code at the bottom of the page to decode each of the natural gas conservation facts. When you are done, share these tips with your family.



Only do _____ loads of laundry.

Make sure your _____ is the right temperature.



Saving _____ can also save natural gas.







SECRET CODE









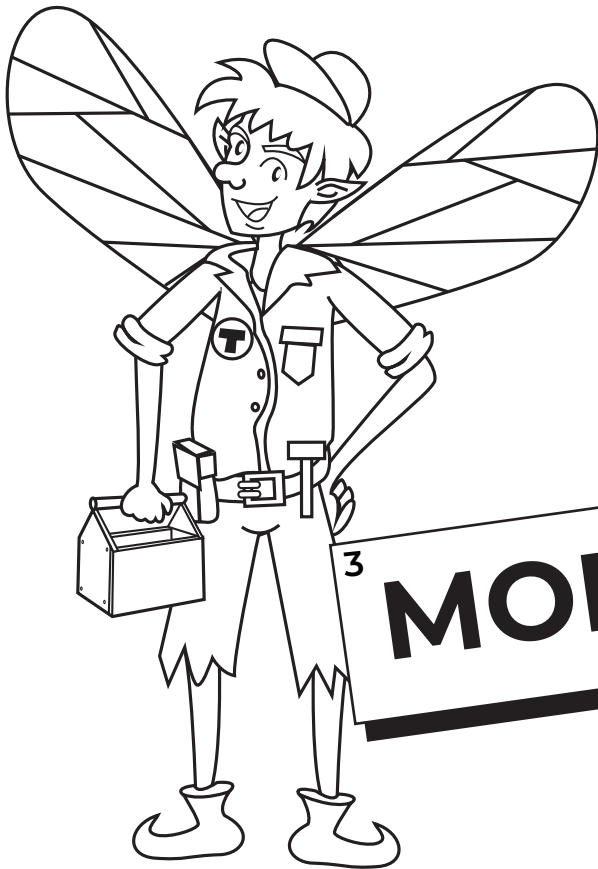




A E F H L M O R T U W

ALL MIXED UP

What is one way to stay safe around electricity? Unscramble the word on each brick and write the words in the correct order to reveal the hidden message.



2 AYAW

6 SNILE

5 ROWPE

4 WONDED

3 MOFR

1 ATYS

1 STAY

2

3

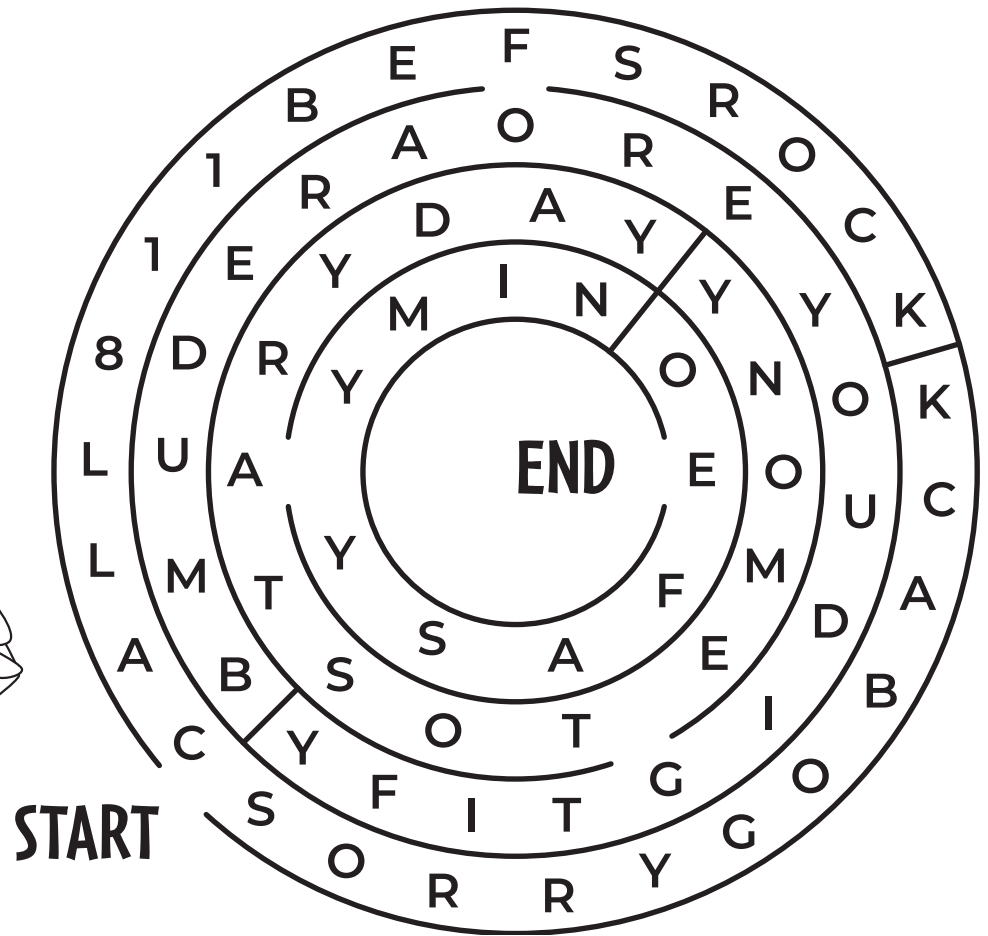
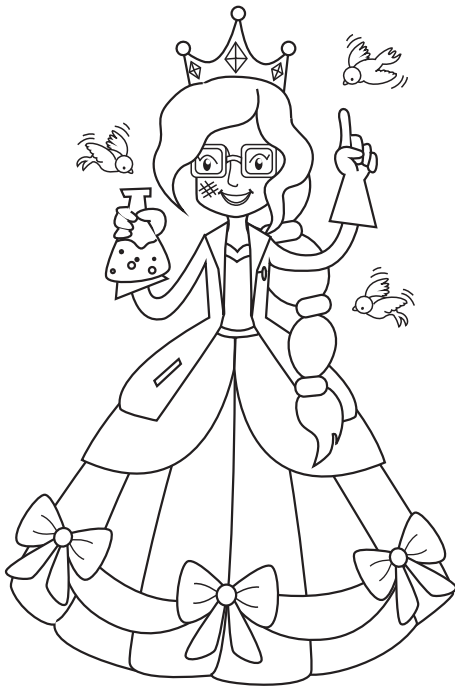
4

5

6

LETTER LABYRINTH

Scratching Beauty has written an important message, but The Wicked Witch scrambled it in this maze. First, solve the maze, then write down the letters along the correct path to learn one way your family can be safe.



_____ - - -

_____ .



PPL companies

Hey parents, students and teachers!

GO TO: ^{NTC} **playworks.com**



Check out more fun learning activities on this topic at [NTCplayworks.com!](https://www.NTCplayworks.com)

Here's How:

1. Go to [NTCplayworks.com](https://www.NTCplayworks.com)
2. Select your state and program
3. Enjoy the digital games, interactive activities, e-books and more