



Chattanooga Gas



Know what's below.  
Call before you dig.



# Activity Book



# Dear students and parents

This activity book is designed to help teach you and your student about the importance of digging safely and calling **811** before starting any digging project.

This program has been established to help protect citizens from unintentionally damaging underground utility lines. When you dial **811**, local utility companies who have underground lines on or near your property, will be notified about your digging project and will mark their lines with paint and/or flags free of charge. This will help you understand where utility lines such as gas, power, phone and cable are located so you can dig safely around them. These lessons learned can help prevent service interruptions and potentially dangerous accidents by educating everyone on the importance of calling **811**.

Additional information is available at **chattanoogagas.com** or **TN811.com**.

We hope you enjoy completing the activities in this book and that they bring you one step closer to becoming a safe digging champion! We hope it will also serve as a reminder to always **Know What's Below**.

**Call 811 Before You Dig.**

 **Chattanooga Gas**

 **Chattanooga Gas**

## Color Code for Marking Underground Utility Lines

-  **Electric**
-  **Gas - Oil**
-  **Communication**
-  **Water**
-  **Irrigation**
-  **Sewer**
-  **Proposed Excavation**
-  **Temporary Survey**

**Smell Gas? Call 866.643.4170**



**Know what's below.  
Call before you dig.**

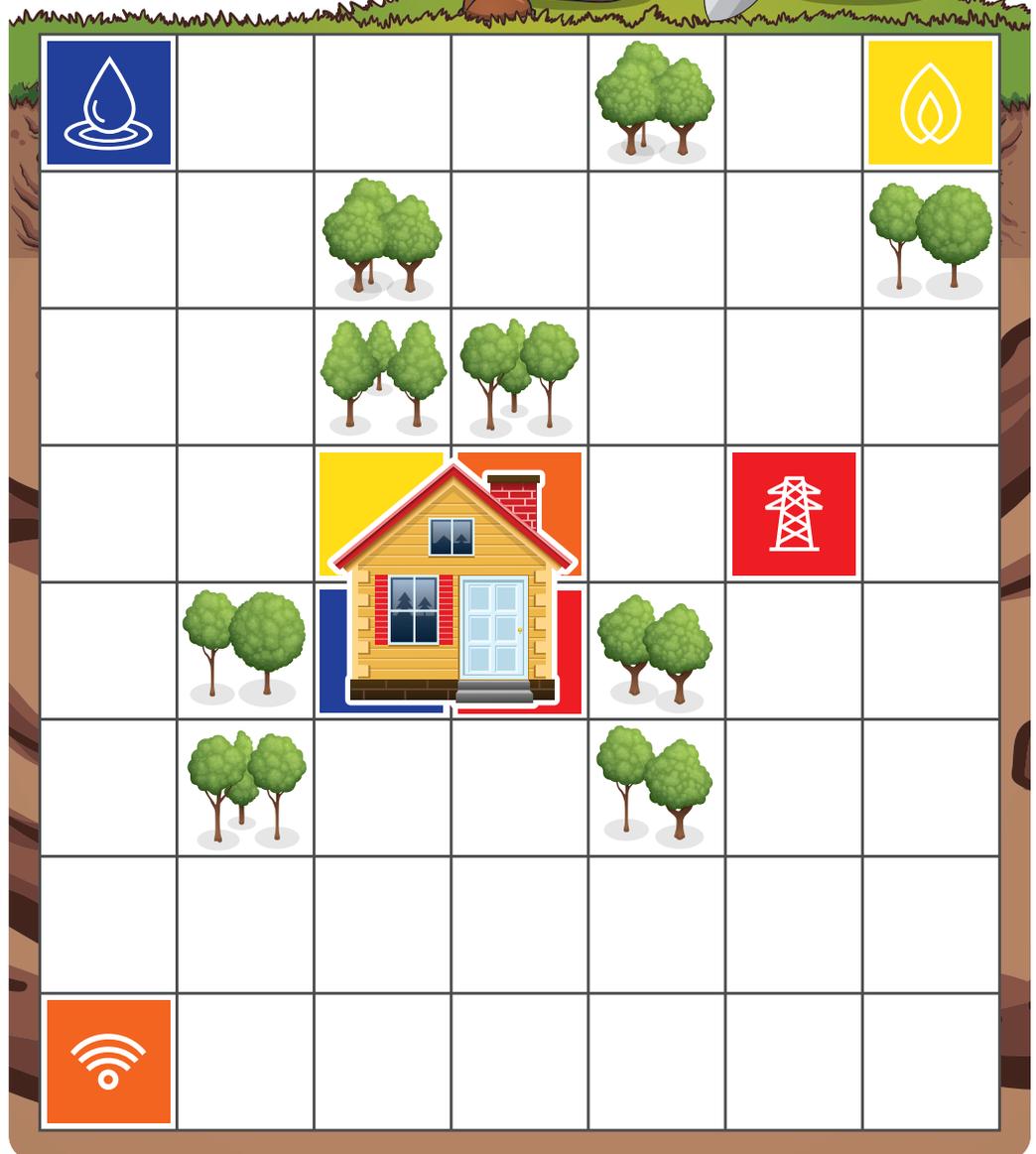
# Learn what's underground!

Did you know that there are natural gas pipelines and other utility lines such as water, cable and electric running underground? Engineers build underground systems to deliver these services safely across the country to your home. Homes and businesses use natural gas for heating, cooking and powering their factories.



## Activity

Connect the locations to bring natural gas, electricity, water and cable television to the home.



# I dig with C.A.R.E.

Excavation work, including digging or excavating around a home or business, is the most common cause of natural gas emergencies. Before digging around your property, state law requires you call **811**, a statewide, toll-free number, to have your utility lines professionally marked.

Always dig with **C.A.R.E.** That means to **Call 811** before you dig, **Allow** the required time for free utility marking, **Respect** the marks and then **Excavate** carefully! Remember, damage prevention is a shared responsibility.

## Dig With **C A R E**.

- C** Call 811 before you dig.
- A** Allow required time for marking.
- R** Respect the marks.
- E** Excavate carefully.



## Activity

Unscramble the words.

1. AFLG \_\_\_\_\_

2. AGS \_\_\_\_\_

3. TEXACVEA \_\_\_\_\_

4. SIPPE \_\_\_\_\_

5. TYAFSE \_\_\_\_\_

6. TLUIYTI \_\_\_\_\_



Are you a safe digger?  
Ask an adult in your home to visit [chattanoogagas.com/safety](http://chattanoogagas.com/safety) to learn about damage prevention.

# Learn about safe digging



Know what's below.  
**Contact before you dig.**

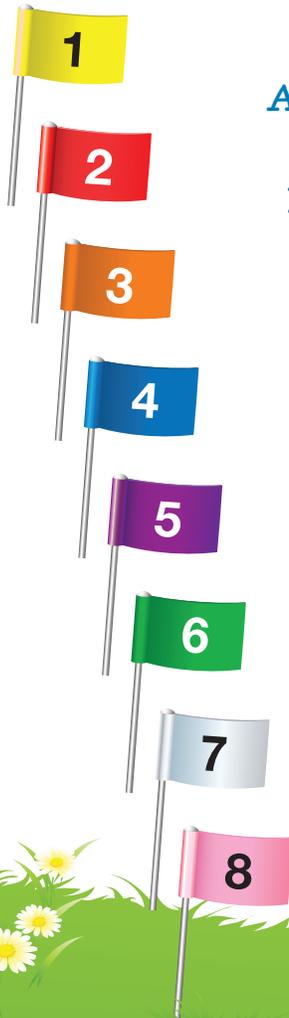
## Activity

Match the flags to the correct utility.

Now that you know natural gas pipelines live underground, you must be careful to avoid hitting these pipes when digging.

At Chattanooga Gas, people's safety is our highest priority. When we are working near your home or our pipeline, we wear protective gear like safety vests and hard hats to stay safe and ensure we are easily recognizable. Always call **811** before beginning any digging project so we can make sure natural gas and other underground lines are easily recognizable to you.

When you call **811**, utilities place flags on their underground lines to tell you areas to avoid. Natural gas pipelines are marked with yellow flags. Can you identify the other types of flags?



A. Gas, oil, or petroleum

B. Sewer

C. Proposed excavation

D. Reclaimed water, irrigation

E. Potable water

F. Electric

G. Temporary survey

H. Communications



# Sniffy the Skunk says **Smell Gas?**

As a skunk, I certainly know about bad odors – like the rotten egg smell that is added to natural gas to help you know if there is a possible natural gas leak. When you smell the rotten egg odor of natural gas, you need to act fast! This means don't delay—get away!

Leave the area right away and tell an adult to call Chattanooga Gas at **866.643.4170** or **911**.

- Don't look for the leak.
- Don't use or touch anything electrical, like flipping off light switches or turning off the TV.
- Don't even use a cell phone!

## Activity

Color in Sniffy the Skunk.



# Picture yourself at Chattanooga Gas

More than 50 people work hard each day to ensure Chattanooga Gas delivers natural gas safely and reliably to our customers. It takes all kinds of jobs to run our company – including meter reading, mechanics, construction, engineering, customer service, accounting, technology and sales. There are lots of exciting careers at Chattanooga Gas!

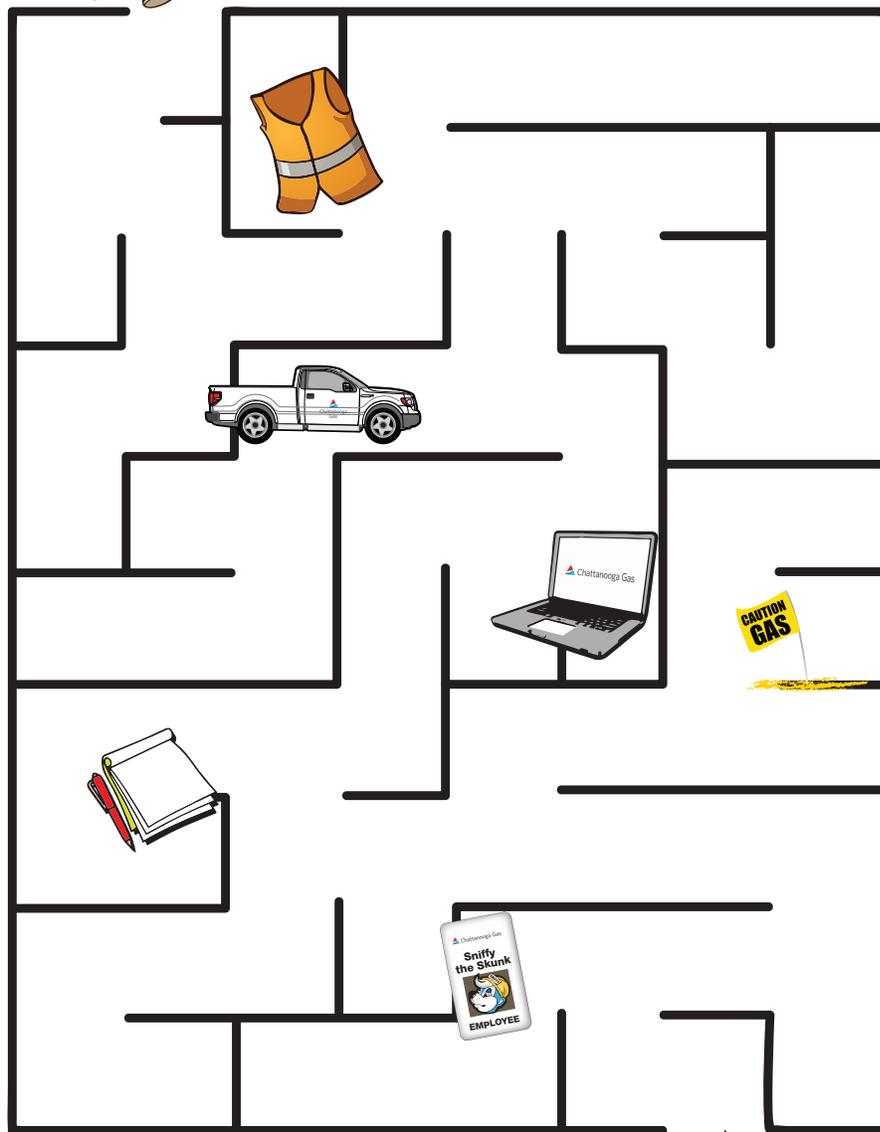
## Activity

Find your way to work!



For more information about careers in energy, visit [chattanoogagas.com/careers](http://chattanoogagas.com/careers).

What career looks most interesting to you?



 Finish

# I know how my home uses natural gas

Natural gas pipelines connect to the meter at your house, which helps to control the flow of natural gas and measures how much your family uses. Pipes inside your home connect the natural gas meter to natural gas appliances like a water heater that warms up the water you use for baths, washing clothes and dishes; a stove that cooks your food; and a furnace that helps to heat your home when it's cold outside. Cars, trucks and buses can even use natural gas to run their engine!

## Activity

Circle all the appliances in your house that use natural gas.



# Natural gas word search

Now that you have learned all about natural gas, there's one more challenge.

## Activity

Find the hidden words from the list in the word search.

N	A	T	U	R	A	L	G	A	S	F
S	M	E	L	L	E	A	O	N	G	A
N	T	E	A	S	A	F	E	T	Y	C
I	F	O	D	O	R	G	K	I	N	T
F	Y	W	N	E	S	A	U	T	O	F
F	A	W	A	R	E	N	E	S	S	A
Y	T	E	G	L	U	F	S	Y	A	S
R	O	T	T	E	N	E	G	G	S	T



ACT FAST

NATURAL GAS

SMELL

AWARENESS

ROTTEN EGGS

SNIFFY

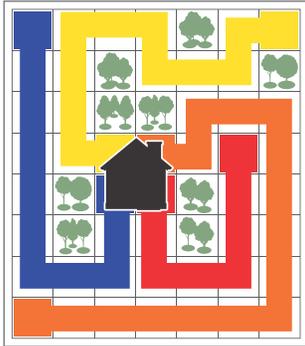
LEAK

SAFETY

ODOR

# Answer key

## Page 1



## Page 2

1. **FLAG**
2. **GAS**
3. **EXCAVATE**
4. **PIPES**
5. **SAFETY**
6. **UTILITY**

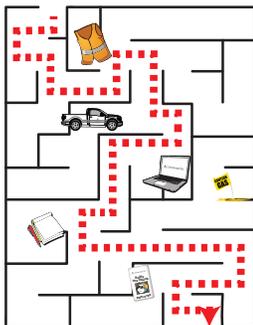
## Page 3

1. **A**
2. **F**
3. **H**
4. **E**
5. **D**
6. **B**
7. **C**
8. **G**

## Page 4

- A. **3**
- B. **8**
- C. **48**
- D. **4**
- E. **6**
- F. **24**

## Page 6



## Page 8



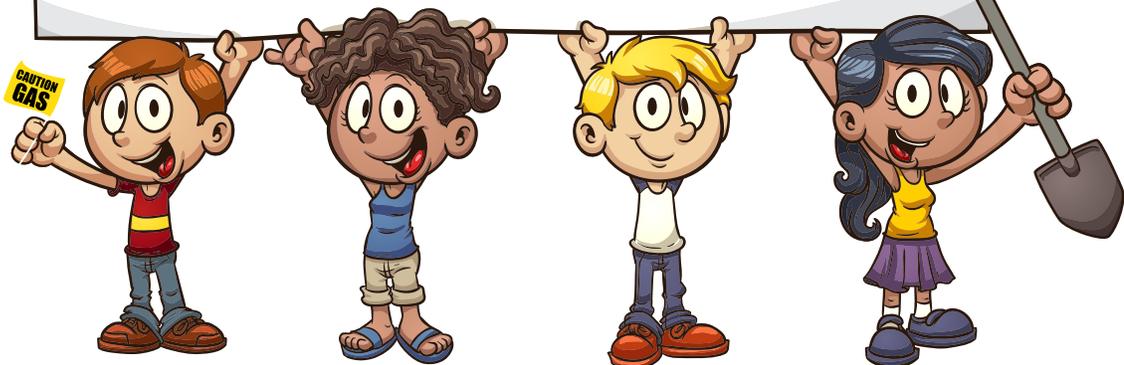
Congratulations!

# You're a Safe Digging Champion!



Know what's below.  
**Contact** before you dig.

You did it!



For additional activities, or for students receiving credit for participation, visit:

[chattanoogagas.com/kidscorner](http://chattanoogagas.com/kidscorner)







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Gas**

**[chattanoogagas.com/safety](https://chattanoogagas.com/safety)**