

with Timon and Pumbaa: **SAFETY SMART** *About Fire!*

SYNOPSIS

Students through to Year 4 join Timon and Pumbaa as they learn about fire safety. Students learn about the fire triangle, smoke alarms, fire escape plans, getting down and out, and the number to call in a fire emergency. The seven classroom activities and worksheets in this Educator's Guide reinforce and extend program lessons. Three take-home worksheets are available for students to do with their family. Four fun activity pages are included.

Many of the activities in this guide have been translated into the additional languages included on the DVD. To access these translated activities:

1. Insert the DVD into your computer DVD-ROM drive.
2. Macintosh users, double-click the DVD icon on your desktop.
3. PC users, right click on the DVD icon and select open.
4. Open the ROM folder.
5. Click on the pdf file.
6. Click on the translated activities file.

Safety Smart is an initiative aimed at improving the awareness and understanding of children ages 4-14 in safety and in managing themselves and their surroundings as safely as possible—by conscious action, not chance. Toward that end, Underwriters Laboratories, UL, produces multimedia public service announcements; arranges for Safety Ambassadors' visits for children to learn from professional safety experts; hosts field trips to its laboratories, where students see safety engineers at work and participate in their own hands-on safety experiments; regularly takes a public stance on emerging safety issues, especially regarding products that may pose a risk to consumers; and supports the development of its youth safety education programs. Through its efforts, Safety Smart cultivates safety awareness, provides opportunities for children to learn and practice safe behaviours, and helps children learn to make more informed safety choices today and in the future.

Do your part! Be **Safety Smart!**



Activities are translated into:

Danish	Kannada	Spanish SP
French	Korean	Tamil
German	Marathi	Traditional Chinese
Hindi	Portuguese	Vietnamese
Italian	Simplified Chinese	
Japanese	Spanish LA	

OBJECTIVES

Students will be introduced to the following fire safety information in the DVD:

- The fire triangle shows the three things fire needs to burn: oxygen, fuel, and heat.
- Oxygen is in the air we breathe.
- Fuel is anything that burns.
- Heat is what makes things warm; examples of heat sources are the stove, fireplace, and heaters.
- Matches and lighters can provide the initial spark to start a fire.
- Smoke from a fire contains carbon monoxide, which is poison and can cause a person to choke.
- Smoke alarms, sprinklers, and fire extinguishers are life saving devices.
- Smoke alarms should be near every bedroom and on every level of a home.
- Adults should test smoke alarms weekly and change their batteries twice a year.
- Smoke is lighter than air and fills a room top down.
- In the event of a fire, when there's smoke, you should get down, get out, and stay out.
- A fire can be outside a room, so before exiting through a closed door, you should feel to make sure doors aren't hot.
- A fire escape plan shows two ways out of every room and a family meeting place.
- Call 9-1-1 once you get to the family meeting place.
- Practice your fire escape plan regularly.
- Never play with matches.
- Water can be used to remove heat and put out a fire.

The activities in this Educator's Guide allow students to:

- Complete sentences with fire safety words from the program.
- Label the three parts of the fire triangle and act out what happens when they combine.
- Play a board game that incorporates fire safety rules.
- Make and explain decisions involving fire safety rules.
- Sing and act out a song about fire safety.
- Identify and write emergency numbers for different countries around the world.
- Fill out a checklist to identify fire safety rules they will follow at home.
- Draw and describe a picture that illustrates fire safety rules.
- Make and practice a home fire escape plan.
- Identify two days each year to change batteries in home smoke alarms.
- Learn that smoke contains carbon monoxide and is poisonous.
- Learn that carbon monoxide alarms should be installed in your home.
- Learn that carbon monoxide alarms, like smoke alarms, should be tested weekly and batteries changed twice a year.



PREVIEW QUESTIONS

1. What do you know about fire safety?
2. What is fire?
3. What makes fire?
4. What is a smoke alarm?

POST VIEWING QUESTIONS

1. What are the three things in the fire triangle?
2. What happens if you remove one of those things?
3. What should you do if you find matches?
4. What should you do if you hear a smoke alarm?
5. What should you do if there's a fire?
6. Why is it important to get down and get out if there's a fire?



SUGGESTED CLASSROOM ACTIVITIES

Timon and Pumbaa's Fire Safety Tips

Have students use copies of the worksheet provided to complete each sentence with the word they learned in the program.

Fire Triangle

Year 1: Distribute the worksheet provided and have students cut out the three labels at the bottom. Have students cut out the fire triangle and the three tabs as one unit. Ask them to hold up the label for heat: ask what kind of heat sources do they know (such as stoves, ovens, fireplaces). Have students glue the heat label to one side of the triangle.

Ask them to hold up the label for fuel. Ask what kind of fuel it is (wood) and if they know other kinds of fuel (such as paper, gasoline or charcoal). Have them glue the fuel label to the second side of the triangle.

Ask them to hold up the label for oxygen and ask what oxygen is (it's what we breathe; it's in the air around us). Have them glue it to the third side.

Explain that when these three things come together and there's a spark, a fire will start. Explain that if you take one of these things away, like if you take heat away by pouring water on fire, the fire will go out. If you take away the fuel, like wood, the fire will also go out. And by removing the oxygen, like by covering up a fire, the fire will also go out. Demonstrate each of these unique concepts by folding down each tab of the fire triangle.

Years 2-4: Divide students into teams of three and give each team a copy of the worksheet provided. Have teams cut out the fire triangle and the three tabs as one unit. Then have them label the fire triangle with the three things that fire needs. Hints are available if students need help identifying oxygen, heat, and fuel as the three parts of the fire triangle. Have one team pretend they are the three parts of the fire triangle and act out what happens when these three things combine and there's a spark or other source of ignition (make sure students understand that these are the conditions needed for a fire to start). Ask students what they think would happen if you took one of these things away (the fire will go out). Ask which part of the fire triangle would be taken away if you put water on a fire (water would take the heat away). Have students bend back the heat tab to illustrate taking away heat. You might pretend to be water and put out the fire. Ask which part of the fire triangle would be taken away if you covered it (a lid on a pan would take the oxygen away). Have students bend back the oxygen tab to illustrate taking away oxygen. Ask which part of the fire triangle would be taken away if you removed the wood from a campfire (removing the wood would take away the fuel). Have students bend back the fuel tab to illustrate taking away fuel.

Timon and Pumbaa's Fire Safety Board Game

Make copies of the game board and laminate them, if desired. Have students play the game in pairs. Each pair will need a copy of the game board, two game pieces (such as math manipulatives), and a number cube. Directions for playing are on the game board.

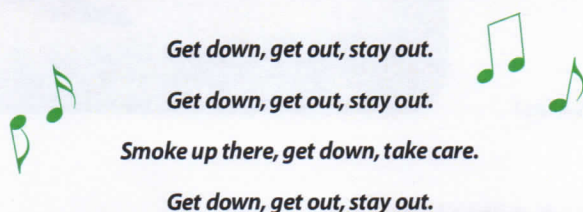
Is it Safety Smart®?

Distribute copies of the worksheet provided. Ask students what it means to be Safety Smart® about fire. Discuss each picture on the page and ask students to decide whether it's Safety Smart or not. Ask them to explain their decisions.

Get Down and Get Out

Ask students what "Get Down and Get Out" means. Make sure they understand that smoke from a fire is poison*, and that smoke is lighter than air and fills a room top down, so if a fire starts, you need to get down to the floor where the air is clear.

Have students practice crawling on hands and knees to exit the room, while they sing the cha cha that Timon and Pumbaa sang in the program:



Ask students what the difference is between "Get Down and Get Out" and "Stop, Drop, and Roll." Make sure they understand that you "Get Down and Get Out" to escape from a burning building, but you "Stop, Drop, and Roll" to put out a fire that is on you.

**You might explain to older students why smoke is poison. A simple explanation is that smoke produces a poisonous gas called carbon monoxide. You can explain that carbon monoxide has no color and no odor, so you can't see it, smell it or taste it, and that makes it especially important to have carbon monoxide alarms in every home. Ask students what they think carbon monoxide alarms do? Make sure they understand that just like smoke alarms make a loud noise when smoke is in a room, carbon monoxide alarms make a loud noise when carbon monoxide is in a room.*

Fire!

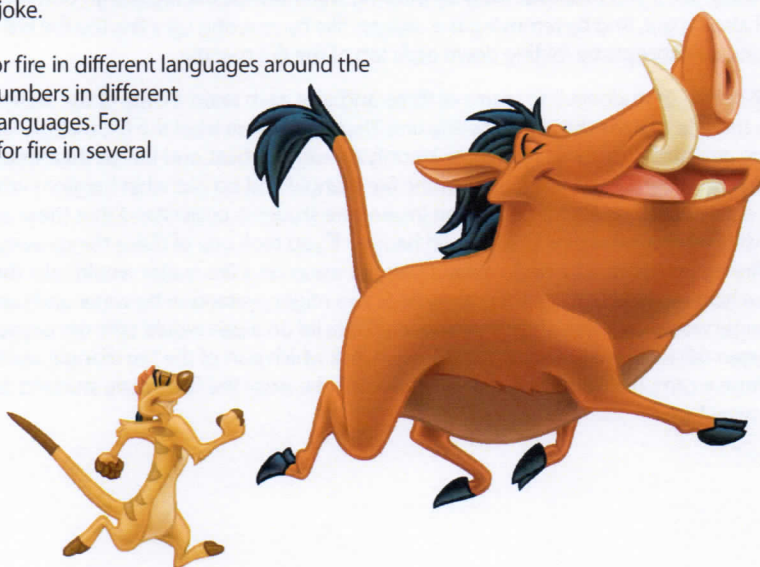
Have students use copies of the worksheet provided to identify and write emergency numbers for different countries around the world. After students complete the worksheet, have them compare the emergency numbers in the countries highlighted on the map. Which countries have the same emergency numbers? Lead a discussion about the importance of calling 9-1-1 only in the case of an emergency—never as a joke.

Year 4: You might extend this activity to introduce words for fire in different languages around the world. Explain that just like there are different emergency numbers in different countries, there are also different words for fire in different languages. For example, the Spanish word for fire is fuego. Here are words for fire in several countries on the map:

- Argentina (Spanish): **fuego**
- Brazil (Portuguese): **fogo**
- Denmark (Danish): **ild**
- Germany (German): **feuer**
- Sweden (Swedish): **eld**

Safety Smart® Checklist

Distribute copies of Timon and Pumbaa's Safety Smart® Checklist for students to fill out. When students complete their checklists, award them a certificate.



TAKE-HOME ACTIVITIES

Three take-home worksheets allow students and their family to illustrate and describe a fire safety rule, make a home fire escape plan, and write a reminder about changing smoke alarm batteries twice a year. Make copies of the three take-home worksheets and have students do the activities with their family.

FUN ACTIVITY PAGES

Four fun activity pages, including the Sing Along song from the program, are included

RESOURCES

Books

Brown, M. *Arthur's Fire Drill*. Random House, 2000.
Grades K-4. Arthur helps his sister prepare for the school fire drill.

Cuyler, M. *Stop, Drop, and Roll*. Simon and Schuster, 2001.
Grades K-2. During Fire Safety Week, Jessica demonstrates the technique of how to stop, drop, and roll.

Pendziwol, J. *No Dragons for Tea: Fire Safety for Kids (and Dragons)*. Kids Can Press, 2008.
Grades K-4. After inviting a dragon home for tea, a young girl must teach everyone about fire safety.

Internet

Firesafety.gov for Kids
<http://www.firesafety.gov/kids/index.shtm>

UL Fire Safety Smart® Super Challenge
<http://www.ul.com/kids/FireSafety.html>

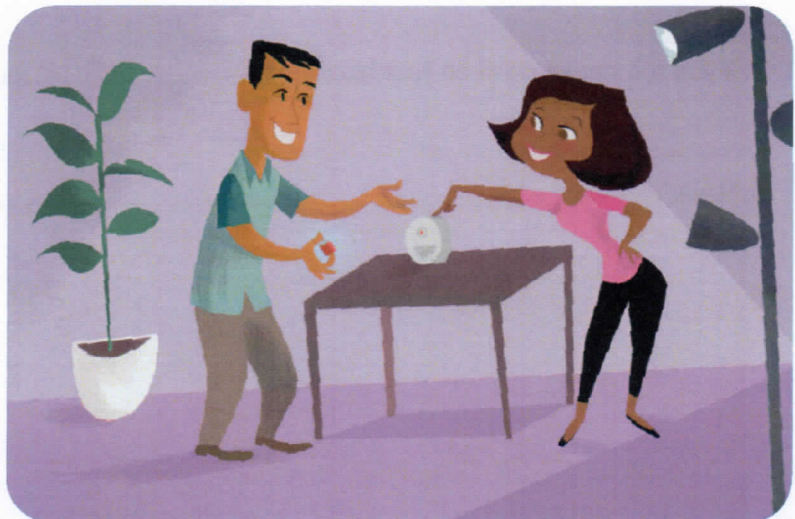
U.S. Fire Administration
<http://www.usfa.dhs.gov/index.shtm>

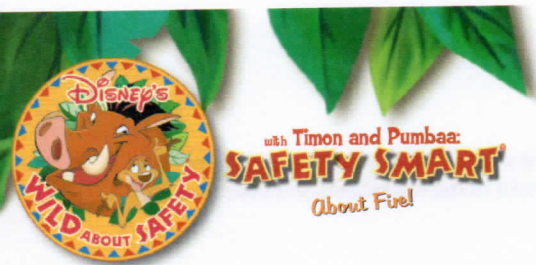
Wildfire Prevention
<http://www.smokeybear.com/>

Home Fire Sprinkler Coalition
<http://www.sprinklersmarts.org>

National Fire Protection Association
<http://nfpa.org>

United States Fire Administration
<http://www.usfa.dhs.gov/>





Date: _____

Name: _____

TIMON AND PUMBAA'S FIRE SAFETY TIPS

Timon and Pumbaa learned a lot about fire safety. Fill in the blanks using the words in the box. Use each word only once.

alarm

down

knees

matches

water

plan



1. Check the batteries in your smoke _____ weekly.

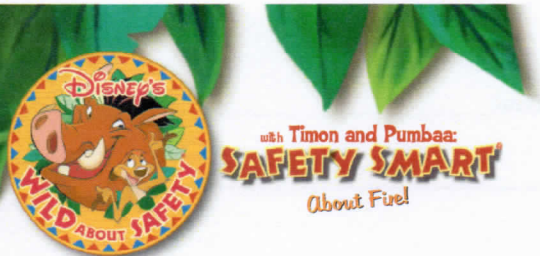
2. If you see smoke, get _____ and get out.

3. Everyone can make a home fire escape _____.

4. _____ can remove heat from a fire.

5. If you see smoke, crawl on your hands and _____ to escape the fire.

6. Never play with _____.

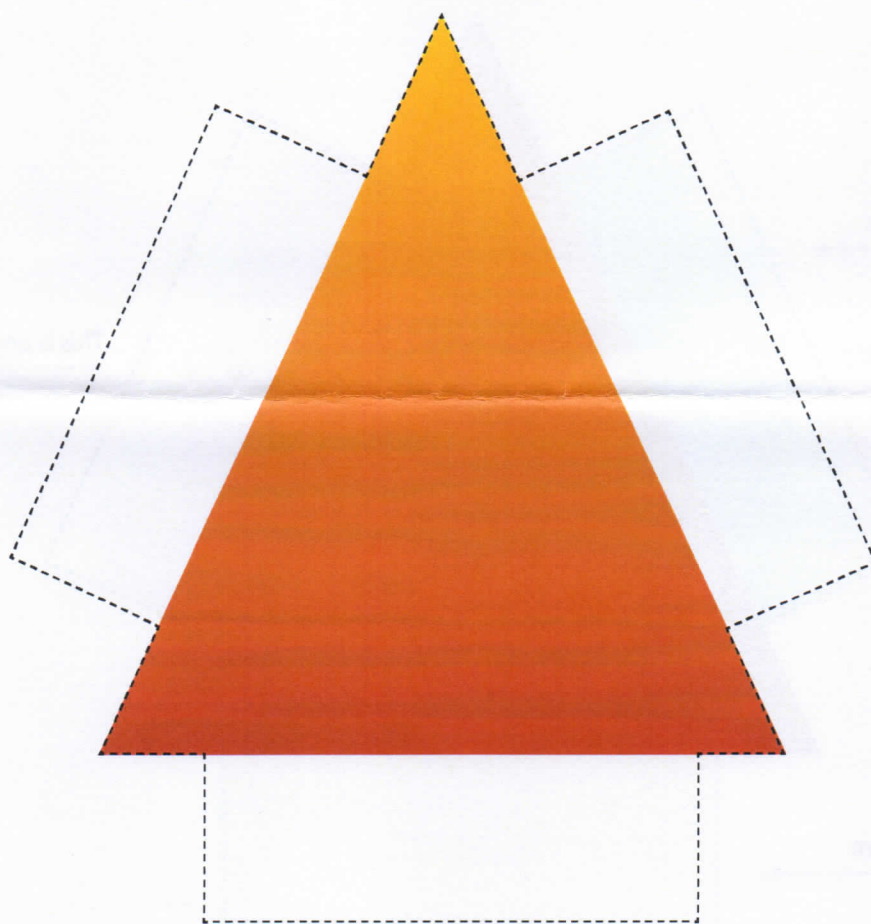


Date: _____

Name: _____

FIRE TRIANGLE (Year-1)

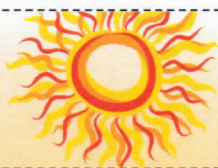
The fire triangle shows the three things that make fire: oxygen, heat, and fuel. When these three things come together and there is a spark or other ignition source, a fire will start. Cut out the labels at the bottom of the page and glue them to each side of the fire triangle. Bend the oxygen, heat and fuel away from the triangle to show how each of these three things is a different part of a fire.



OXYGEN

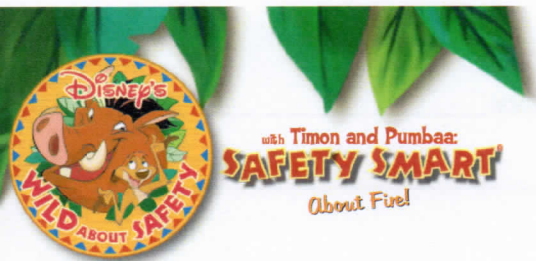


HEAT



FUEL





Date: _____

Name: _____

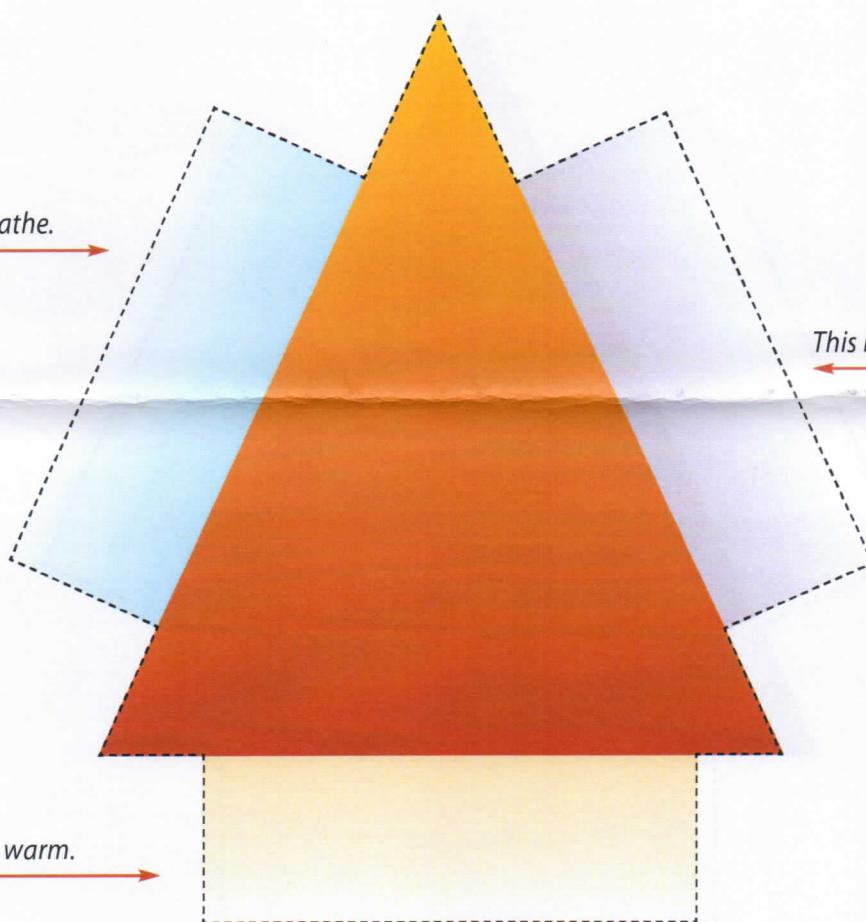
FIRE TRIANGLE (Years 2-4)

The fire triangle shows the three things that make fire. When these three things come together, and there is a spark or other ignition source, a fire will start. Work with your team to label each side of the fire triangle. If you need help, use the hints near each box. Bend back each of the boxes to illustrate how removal of any of these things controls the fire.

Hint:
This is what you breathe.

Hint:
This is anything that burns.

Hint:
This makes you warm.





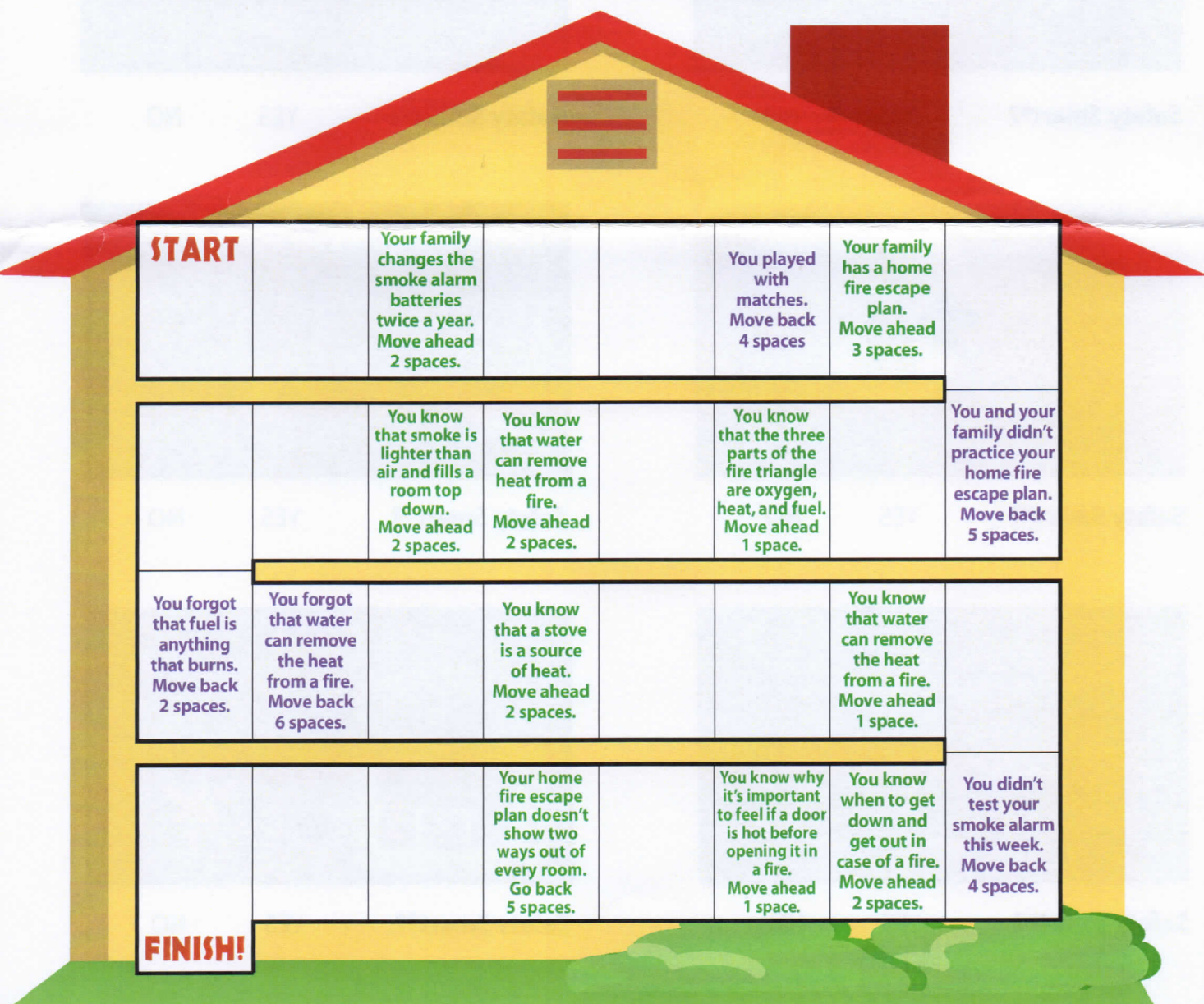
Date: _____

Name: _____

TIMON AND PUMBAA'S FIRE SAFETY BOARD GAME

How to Play

1. Place your game pieces on the word START.
2. Take turns rolling the number cube. Move your game piece the number of spaces shown on the cube.
3. If you land on a space with a fire safety message, do what the message says.
4. The game is over when both players get to the outdoor meeting place.





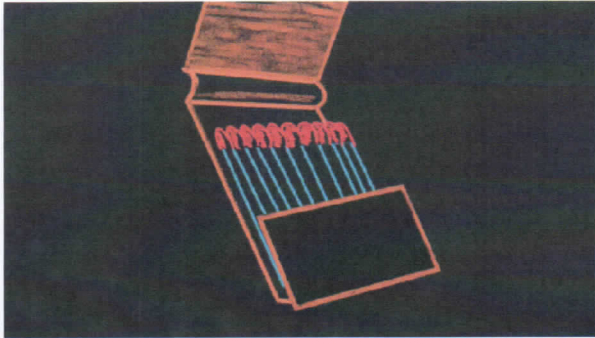
with Timon and Pumbaa:
SAFETY SMART
About Fire!

Date: _____

Name: _____

IS IT SAFETY SMART®?

What is happening in each picture? Decide if it's Safety Smart® or not.



Safety Smart®?

YES

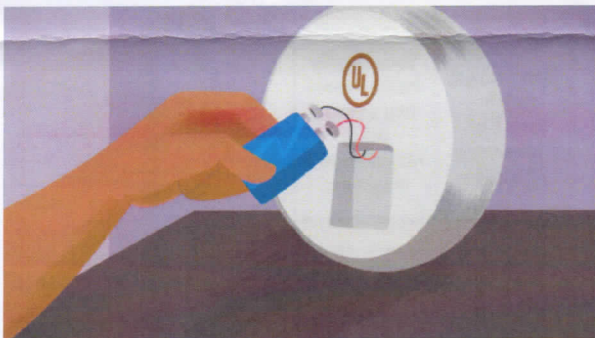
NO



Safety Smart®?

YES

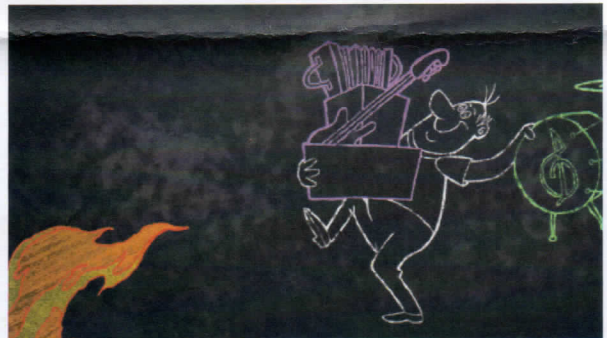
NO



Safety Smart®?

YES

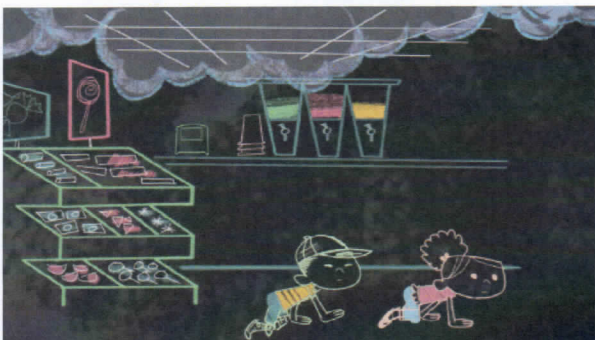
NO



Safety Smart®?

YES

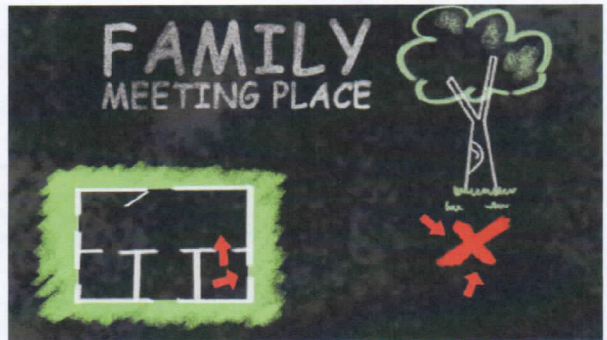
NO



Safety Smart®?

YES

NO



Safety Smart®?

YES

NO



Date: _____

Name: _____

TIMON AND PUMBAA'S SAFETY SMART® CHECKLIST

What have you learned about being Safety Smart® about fire? Check off what you will do at home. Complete this checklist to earn your certificate!

Do I make sure that I...?	YES
Have my family help me make a home fire escape plan?	
Know two ways out of every room in my home?	
Hang my home fire escape plan where my family can see it?	
Practice my home fire escape plan?	
Ask my family to change the smoke alarm batteries twice a year?	
Know when, how and why it is important to feel if a door is hot?	
Know that smoke is poison?	
Know that smoke fills a room from the top down?	
Know when I need to get down and get out in case of a fire?	
Know that fire needs oxygen, fuel and heat?	
Know how to call 1-1-1 in case of an emergency?	
Do not play with matches or lighters?	

Name: _____



Date: _____

Name: _____

TAKE-HOME ACTIVITY:

SAVE THE DATE

Dear Family: Batteries in smoke alarms should be changed twice a year. Read the directions on this page with your child and do the activity together.

Directions

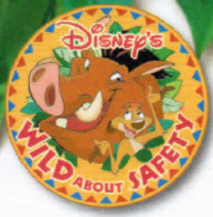
1. Pick two days during the year to change your smoke alarm batteries. You might select days that have special significance to your family, such as birthdays or holidays.
2. Write the dates below, cut out the box, and hang it where everyone can see it as a reminder to change your smoke alarm batteries twice a year.

CHANGE SMOKE ALARM BATTERIES

MONTH

DAY

Test Smoke Alarms Every Week



with Timon and Pumbaa:
SAFETY SMART
About Fire!

Date: _____

Name: _____

FIRE SAFETY WORDS

Find and circle all the fire safety words.

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

BATTERY

GET DOWN

PLAN

EXTINGUISHER

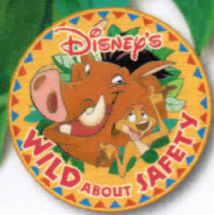
GET OUT

SMOKE ALARM

FIRE DRILL

MEETING PLACE

TRIANGLE

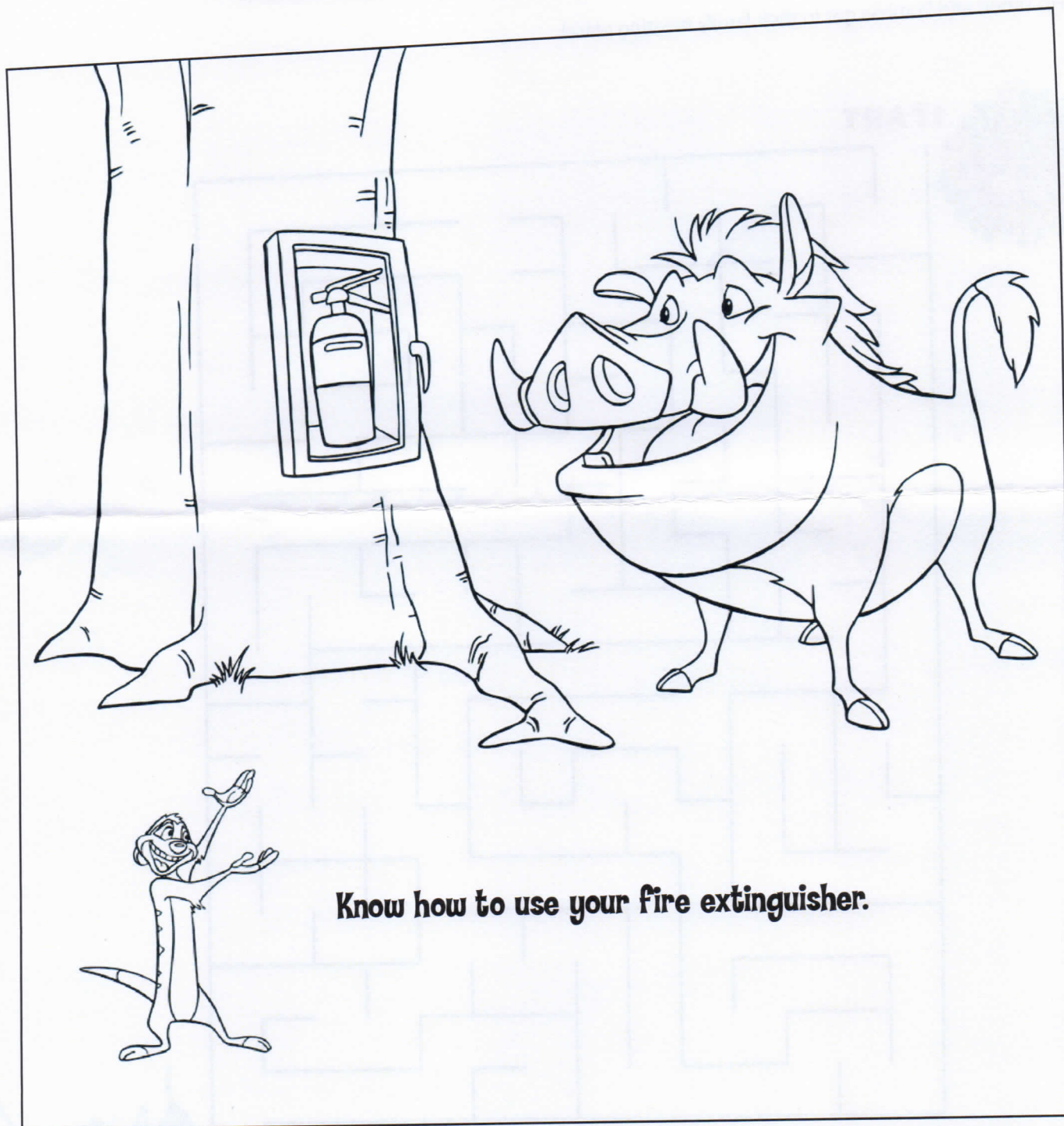


with Timon and Pumbaa:
SAFETY SMART
About Fire!

Date: _____

Name: _____

FIRE SAFETY COLORING PAGE



Know how to use your fire extinguisher.



Date: _____

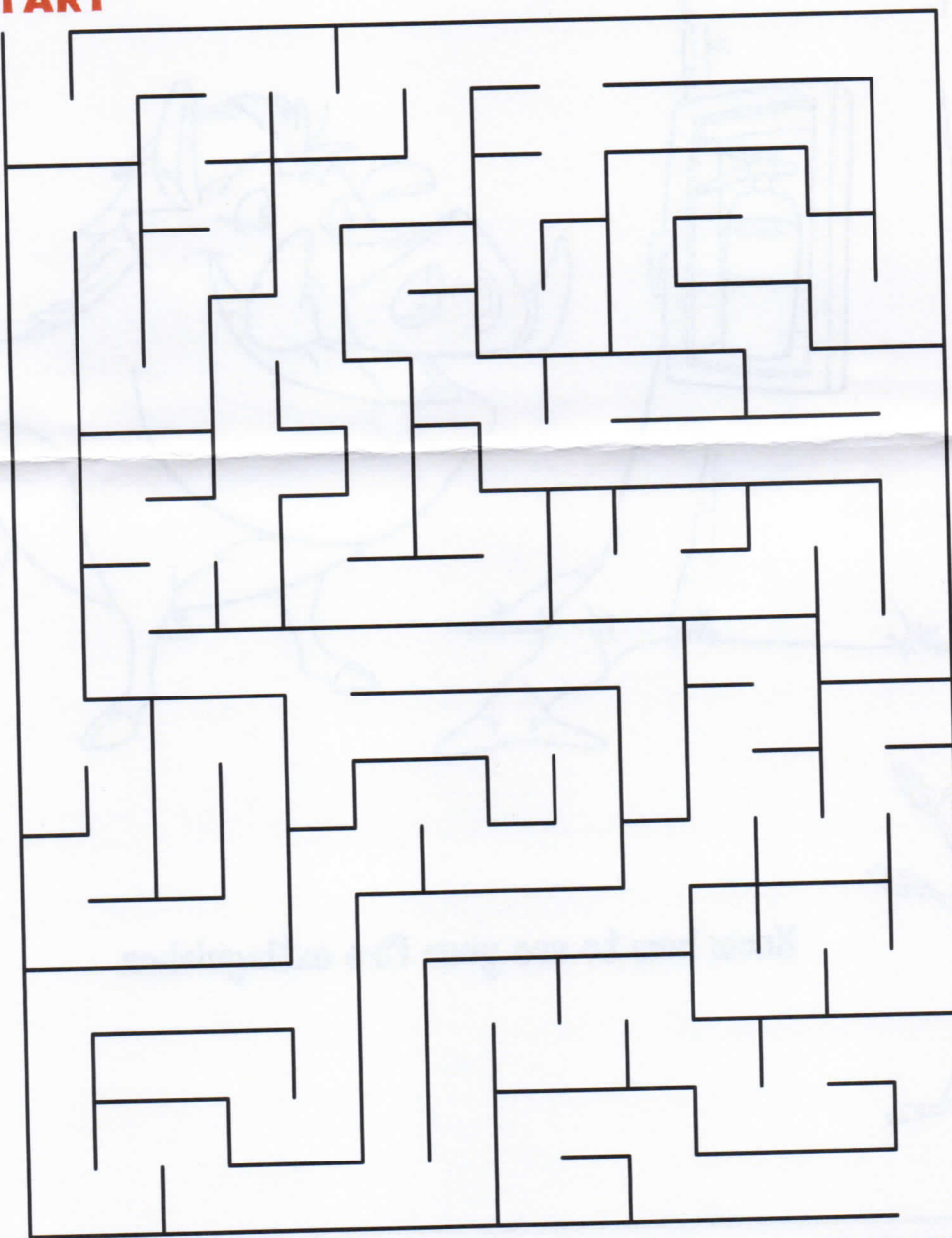
Name: _____

MAZE CRAZE

Help Timon and Pumbaa get to their family meeting place!

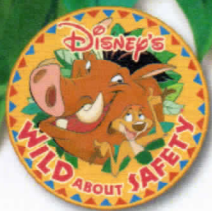


START



FINISH!





with Timon and Pumbaa:
SAFETY SMART
About Fire!

SING ALONG WITH TIMON AND PUMBAA

Fire safety, fire safety! Show the world what smarts you've got.
Fire safety, fire safety! I'm telling you the topic is hot, hot, hot! Yeah!

Fire safety, fire safety! Let's review the things we know.
Fire safety, fire safety! On your mark, get ready, get set, let's go!

When you face that combination of oxygen, heat and fuel,
Use your safety smarts my friend and follow each and every rule. That's cool! Yeah!

Fire safety, fire safety! Let's review the things we've learned!
Fire safety, fire safety! Know your fire safety and you won't get burned.

A fire needs a spark to start a flame, so never play with matches -
They're not a game!

Got a fire extinguisher? Yes-sir-ree.
How about a smoke alarm or two or three?

Smoke fills up a room? A plan will show the way out.
Then get down, get out and STAY OUT.

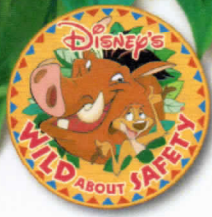
When you're safe outside, call 1-1-1.
One more chorus and then we're done. Yeah!

Fire safety, fire safety! Oh what safety smarts we've got!
Fire safety, fire safety! I'm telling you the topic is hot, hot, hot! Yow!

Fire safety, fire safety! Look how safety smart we've turned!
Fire safety, fire safety! Know your fire safety and you won't get burned!
Know your fire safety and you won't get burned!
Know your fire safety and you won't get burned!

Now that's what I call safety smart! Yeah!



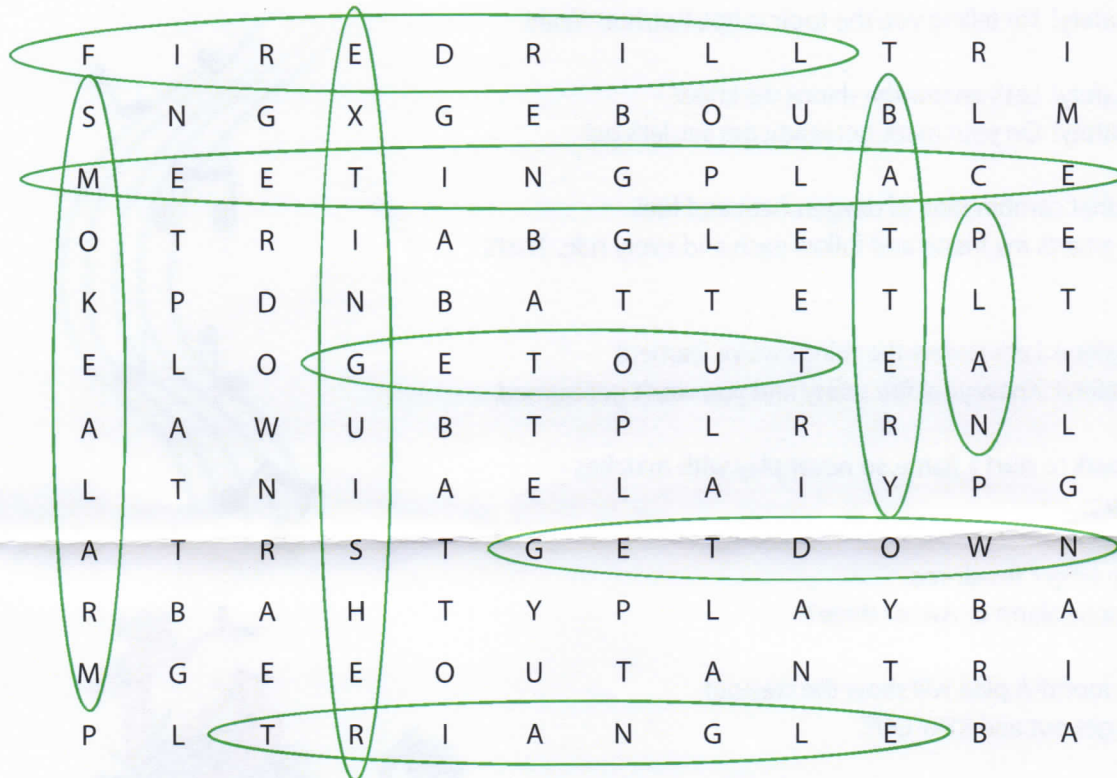


with Timon and Pumbaa:
SAFETY SMART
About Fire!

Date: _____

Name: _____

FIRE SAFETY WORD SEARCH ANSWER KEY



BATTERY

GET DOWN

PLAN

EXTINGUISHER

GET OUT

SMOKE ALARM

FIRE DRILL

MEETING PLACE

TRIANGLE

Disney's
WILD ABOUT SAFETY®

TIMON AND PUMBAA



SAFETY SMART®

CERTIFICATE OF COMPLETION

Awarded To:

Safety Smart About Fire!

DATE: _____