



# THE BLUE FLAME

SAFELY  
LIGHTING  
THE WAY



# GAS, NATURALLY!



THE BLUE FLAME IS MEMPHIS LIGHT, GAS & WATER'S SPOKESFLAME FOR NATURAL GAS SAFETY AND EDUCATION! MANY OF US RELY ON GAS TO HEAT OUR HOMES, COOK OUR FOOD, AND MAKE SURE WE HAVE HOT WATER. BUT IT'S UP TO US TO KNOW HOW TO USE GAS THE RIGHT WAY AND TO LEARN WHAT TO DO IF SOMETHING ISN'T RIGHT. HERE'S WHAT THE BLUE FLAME IS HERE TO TEACH US TODAY:

**PAGE 1 WHERE DOES NATURAL GAS COME FROM?**

**PAGE 2 WHAT IS NATURAL GAS?**

**PAGE 3 HOW DOES NATURAL GAS GET TO MY HOUSE?**

**PAGE 4 WHAT DOES NATURAL GAS DO FOR MY FAMILY?**

**PAGE 5 IS THIS THE RIGHT COLOR?**

**PAGE 6 HOW DO I KNOW IF SOMETHING ISN'T RIGHT?**

**PAGE 7 WHAT CAN I DO IF SOMETHING ISN'T RIGHT?**

**PAGE 8 HOW DO I WORK SAFELY?**

**BACK COVER BLUE FLAME ARTWORK!**



HI, KIDS!  
I'M THE BLUE FLAME, AND  
I'M GOING TO SHOW YOU HOW  
TO BE SMART AND SAFE  
AROUND NATURAL GAS.  
IT'S MY JOB!

# WHERE DO WE GET OUR NATURAL GAS FROM?

YES  
 NO **THE SKY**

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YES  
 NO **WASTE LANDFILL**

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YES  
 NO **BATHROOMS**

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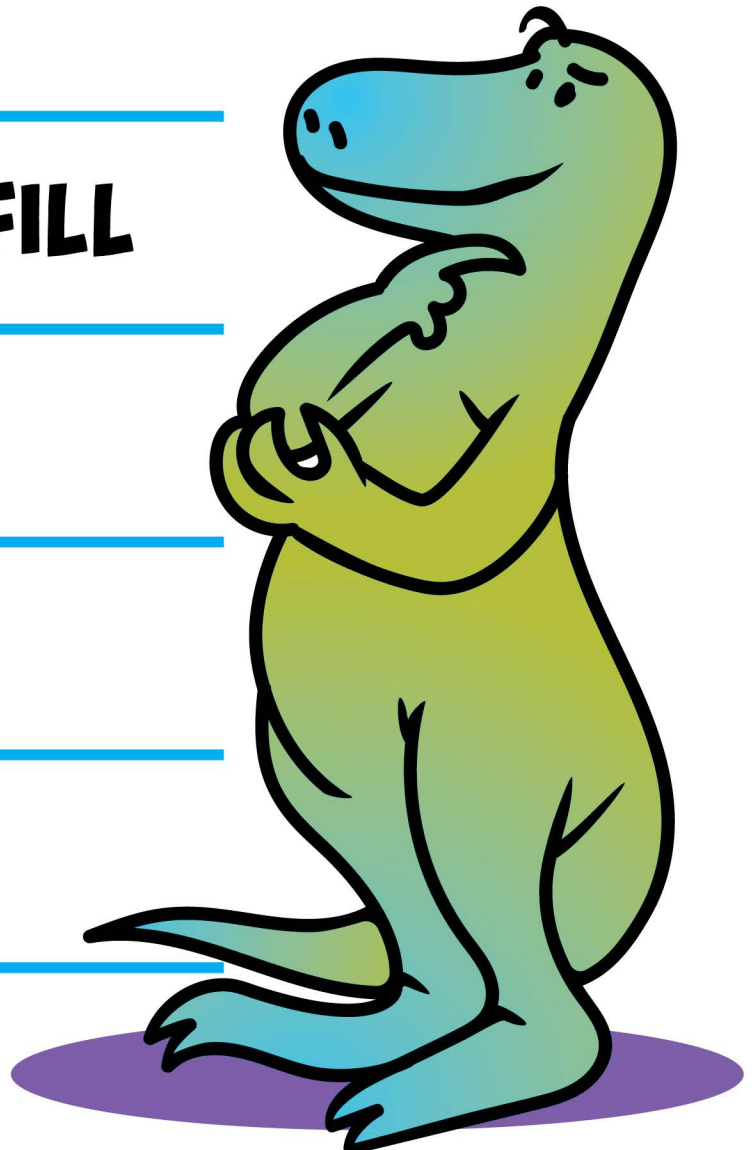
YES  
 NO **THE GROUND**

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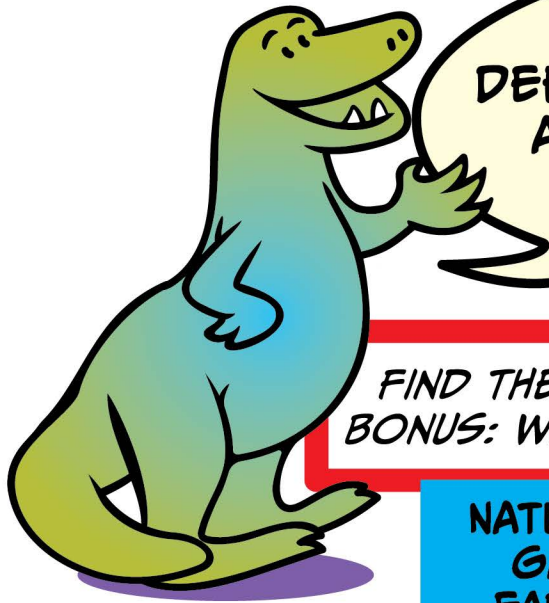
YES  
 NO **CATTLE**

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YES  
 NO **PIPELINES**



ANSWERS: THE SKY, NO. LANDFILL, YES. BATHROOMS, NO.  
THE GROUND, YES. CATTLE, NO. PIPELINES, YES.



NATURAL GAS FORMS  
DEEP IN THE EARTH FROM PLANTS,  
ANIMALS AND MICROBES THAT  
LIVED MILLIONS OF  
YEARS AGO!

FIND THESE NATURAL GAS WORDS IN THE PUZZLE!  
BONUS: WHICH WORD SHOWS UP MORE THAN ONCE?

NATURAL  
GAS  
EARTH  
PLANTS  
ANIMALS

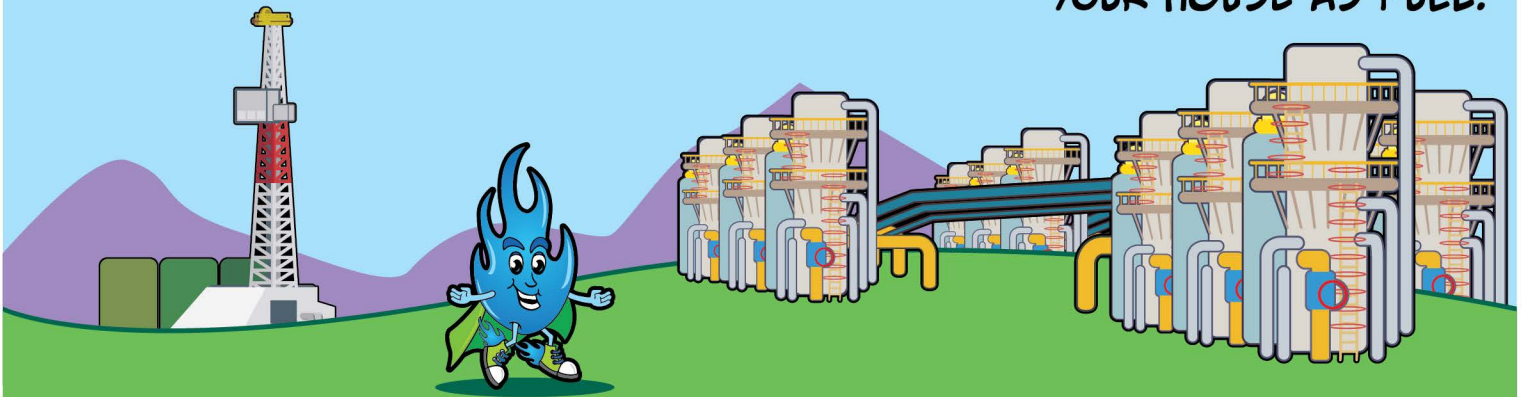
MICROBES  
MILLIONS  
DEEP  
GROUND  
PUMP

PIPELINE  
ORGANIC  
ENERGY  
UTILITY  
VALVE

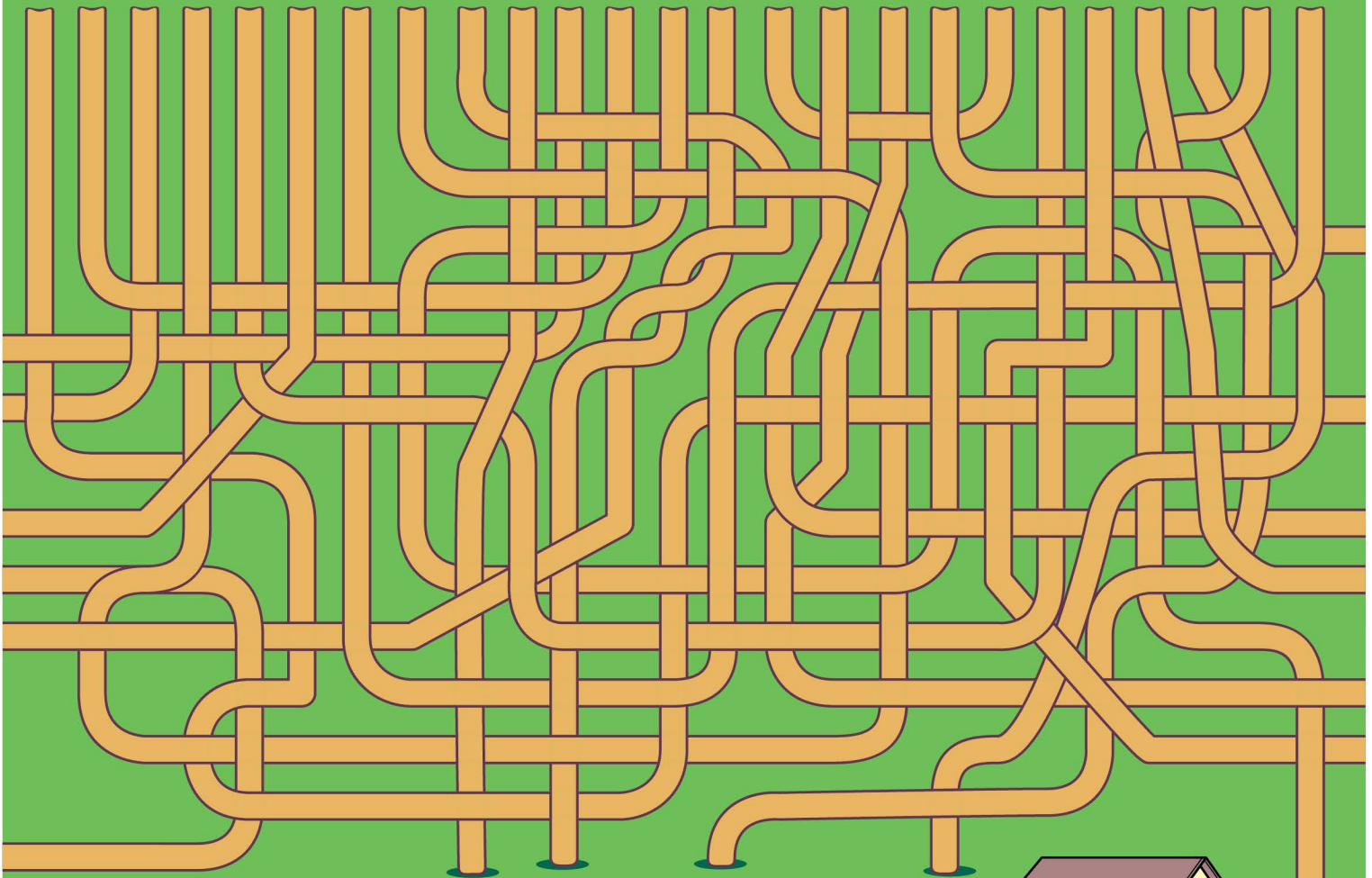
L O K P A Z I D E G A Q T E A  
 E N E B J E N E R G Y U R P U  
 C A T X E N Q E E I E I M A P  
 V T H G R D U P I P E L I N E  
 P U M P X A W Y T L N T C E S  
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 V A L V E U Q R A N M N O R E  
 M L S E N T A G P T I A B T X  
 I E B A N I M A L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

NATURAL GAS IS PUMPED FROM DEEP IN THE EARTH, BUT SOMETIMES, IT'S FOUND WITH OIL, WATER, OR OTHER THINGS MIXED WITH IT.

SPECIAL PROCESSING PLANTS SEPARATE THE NATURAL GAS FROM EVERYTHING ELSE, MAKING IT INTO PIPELINE-QUALITY DRY NATURAL GAS! IT'S THEN READY TO COME TO YOUR HOUSE AS FUEL.



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

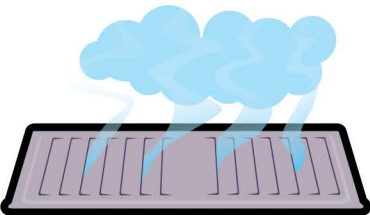
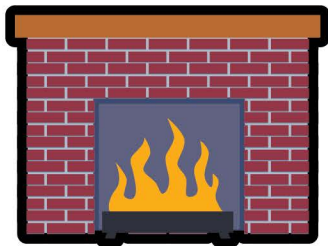
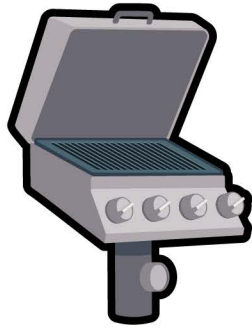
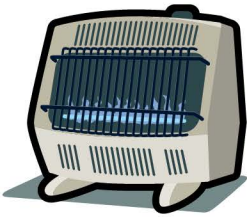
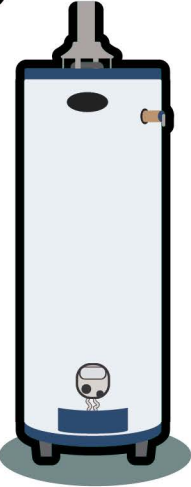
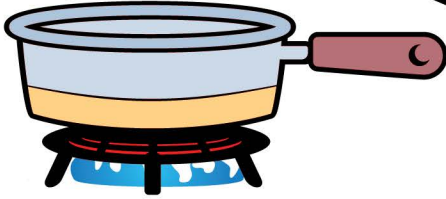


CAN YOU FIGURE OUT WHICH PIPELINE IS THE ONE THAT COMES TO THIS HOUSE?



ANSWER: THE 'W' PIPE

DO YOU KNOW  
WHAT NATURAL GAS CAN DO FOR  
YOU AND YOUR HOME? UNSCRAMBLE  
THE WORDS AND MATCH  
THE PICTURES!



**DERRY**

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**LIFECAPER**

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**COINKOG**

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**RIA**

---

**ILRGL**

---

**EATH**

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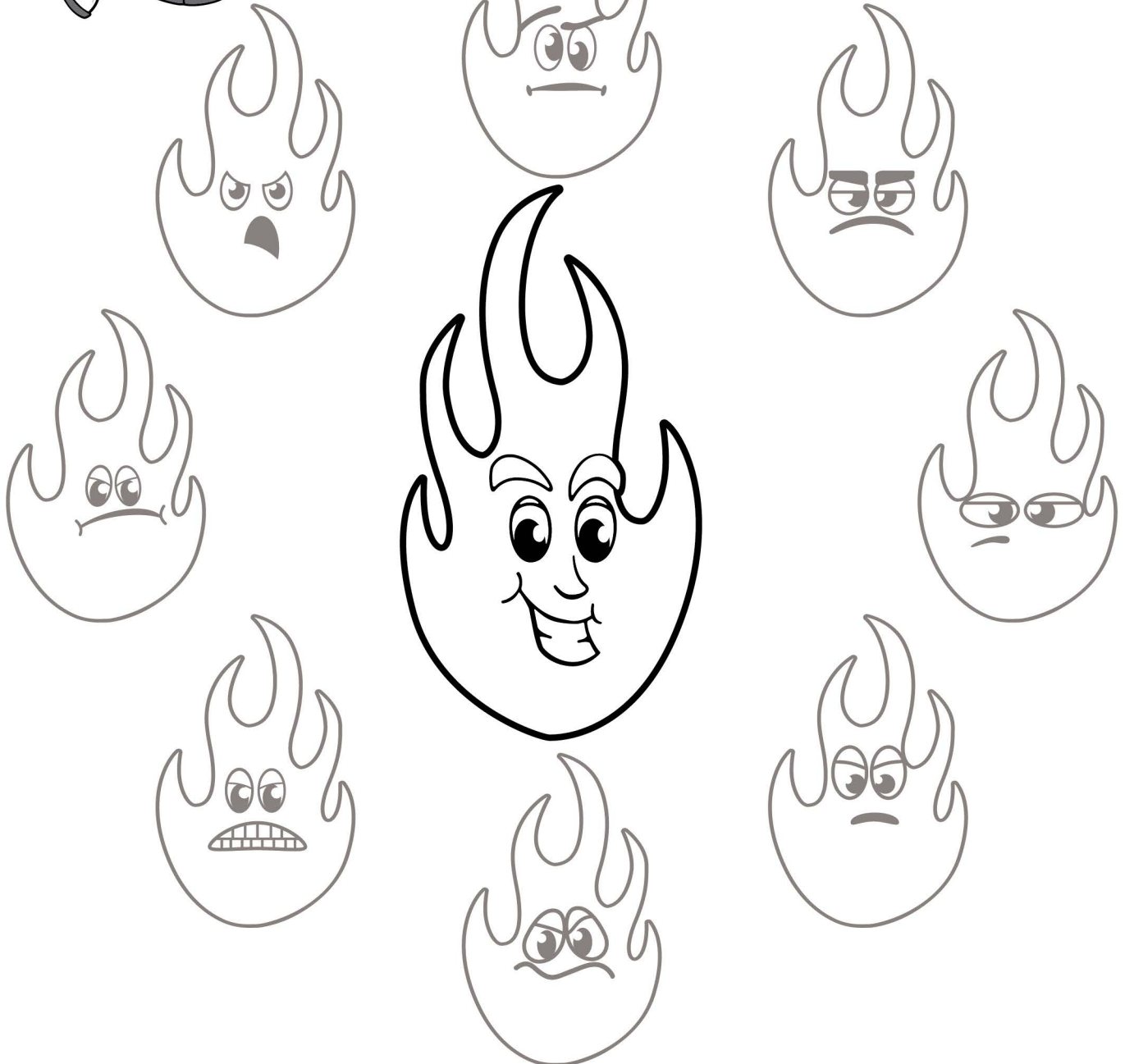
**THO TEARW**

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**NATURAL GAS  
BURNS WITH A BLUE FLAME!  
IF YOUR HOME'S APPLIANCES HAVE A PILOT  
LIGHT, CHECK IT EVERY WINTER TO MAKE  
SURE IT'S NOT BURNING YELLOW, RED,  
OR EVEN GREEN!**

THE ODD COLORS COME FROM  
GASSES AND OTHER THINGS THAT MIGHT  
BE IN THE GAS LINE ACCIDENTALLY, LIKE  
MOISTURE OR DIRT. CALL MLGW IF  
YOUR PILOT LIGHT IS AN ODD COLOR.



**COLOR THE MIDDLE FLAME THE CORRECT BLUE FLAME COLOR!  
COLOR THE SMALLER FLAMES ANY OTHER WAY-  
WITH STRIPES, PATTERNS, RAINBOWS, OR EVEN POLKA DOTS!**



# DID YOU KNOW?

NATURAL GAS IS COLORLESS AND ODORLESS BY ITSELF, SO FOR SAFETY, MERCAPTAN IS ADDED TO GIVE NATURAL GAS A DISTINCTIVE SMELL BEFORE IT'S USED IN OUR HOMES!

THIS IS OUR FRIEND

# CAPTAIN MERCAPTAN!

HI, KIDS!

PEOPLE SAY THAT MERCAPTAN IN NATURAL GAS SMELLS LIKE ROTTEN EGGS OR OLD SWEATSOCKS! THE SMELL IS PUT THERE TO TELL YOU SOMETHING IS *WRONG*, LIKE A GAS LEAK OR DAMAGED PIPELINE!

SO- WHAT DO YOU DO WHEN YOU SMELL ROTTEN EGGS OR OLD SWEATSOCKS WHERE YOU SHOULDN'T SMELL THEM? MARK THE CHECK FOR 'YES' OR THE 'X' FOR NO:

**YES NO**

- |                          |                                     |  |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>1 SWITCH ON A LIGHT</b>                         |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>2 TEXT FOR HELP ON A CELL PHONE</b>             |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>3 USE A FLASHLIGHT TO SEARCH FOR THE LEAK</b>   |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>4 DON'T TURN ANYTHING ON</b>                    |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>5 CALL 9-1-1 BEFORE LEAVING THE HOUSE</b>       |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>6 LIGHT A MATCH</b>                             |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>7 GET OUT OF THE HOUSE FAST</b>                 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>8 USE AIR FRESHENER</b>                         |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>9 CALL 9-1-1 FAR FROM THE HOUSE</b>             |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | <b>10 STAY AWAY UNTIL TOLD IT'S SAFE TO RETURN</b> |



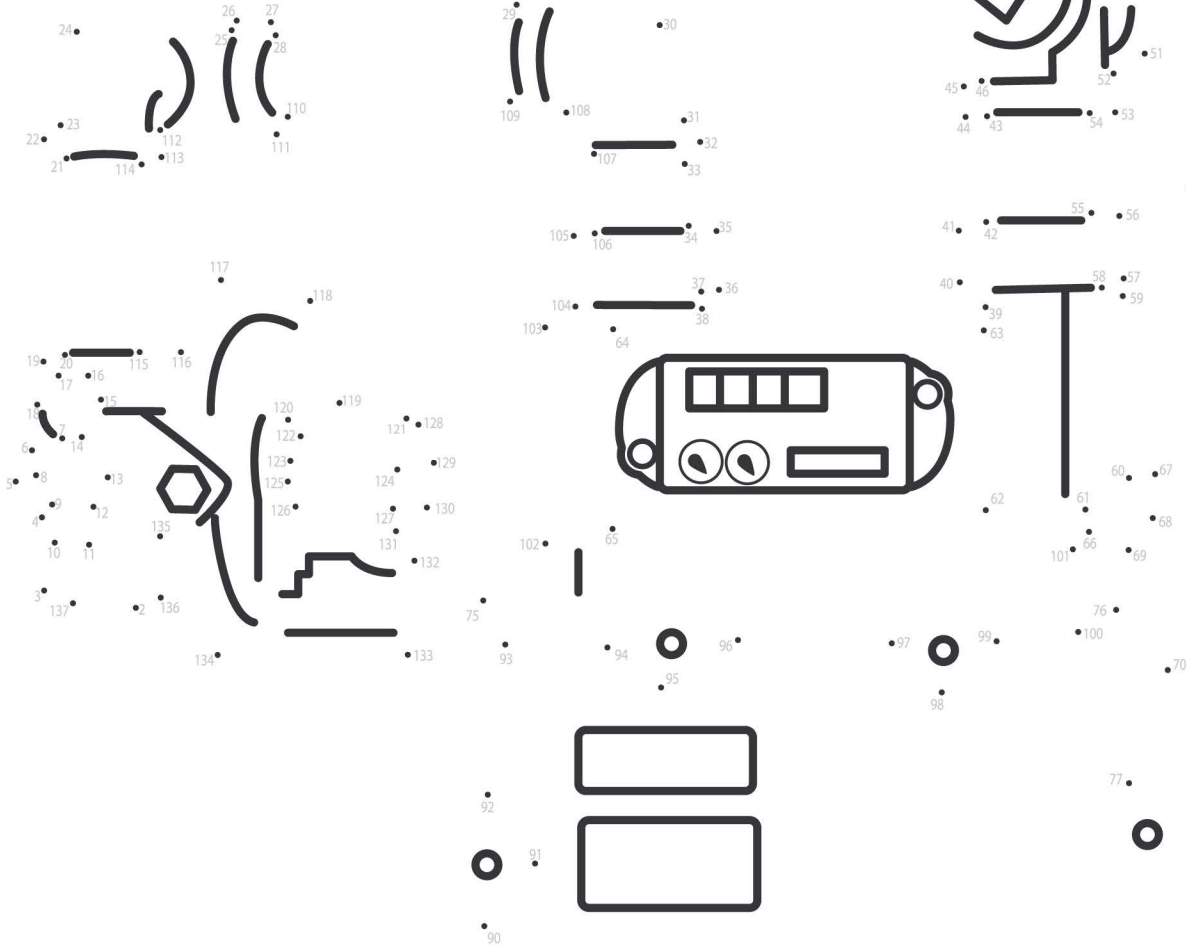
**ANSWERS:**

1.NO, 2.NO, 3.NO, 4.YES, 5.NO, 6.NO, 7.YES, 8.NO, 9.YES, 10.YES



# WHAT DOES YOUR GAS METER LOOK LIKE?

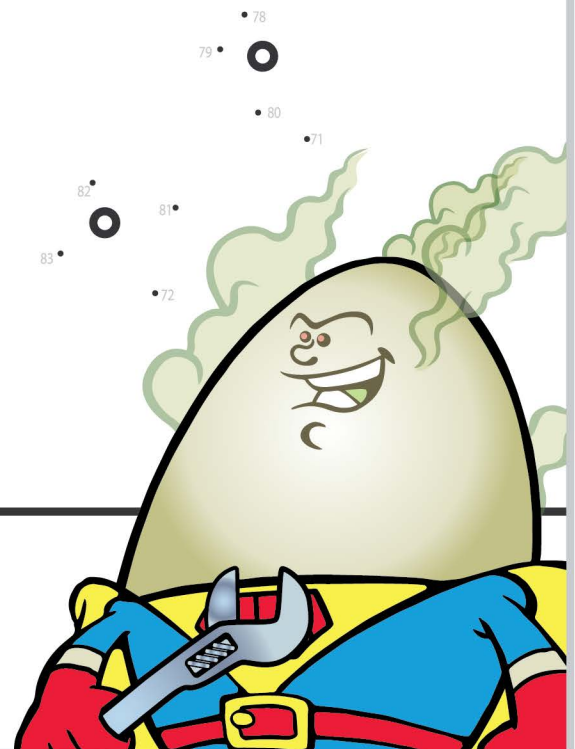
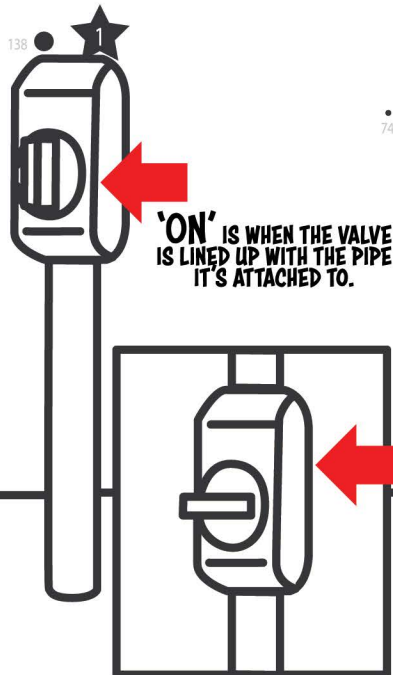
IT TAKES LOTS OF DOTS TO DRAW A GAS METER!  
CAN YOU DO IT?



GAS METERS ARE OUTSIDE THE HOUSE. IF THERE HAS BEEN AN ACCIDENT, YOU MIGHT HAVE A GAS LEAK.

ASK THE ADULTS IN YOUR HOUSE IF THEY KNOW HOW TO SHUT OFF THE GAS LINE TO YOUR HOME IN CASE OF AN EMERGENCY.

IT MIGHT TAKE A BIG WRENCH. BE CERTAIN EVERYONE KNOWS WHERE IT'S KEPT.



# DECODE THE SECRET MESSAGE!

USE THIS CODE KEY TO READ THE IMPORTANT INFORMATION BELOW.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
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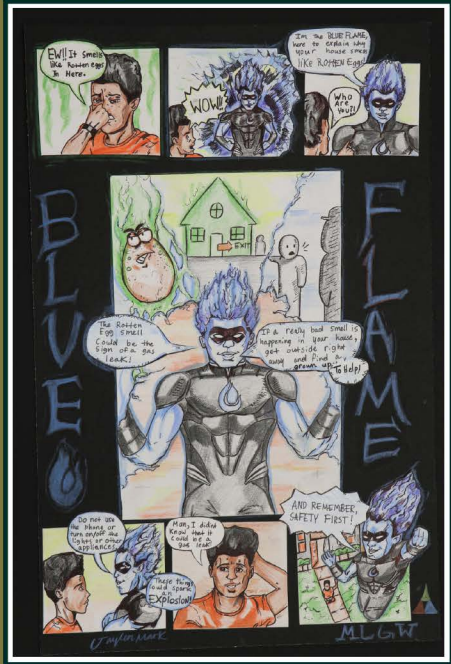
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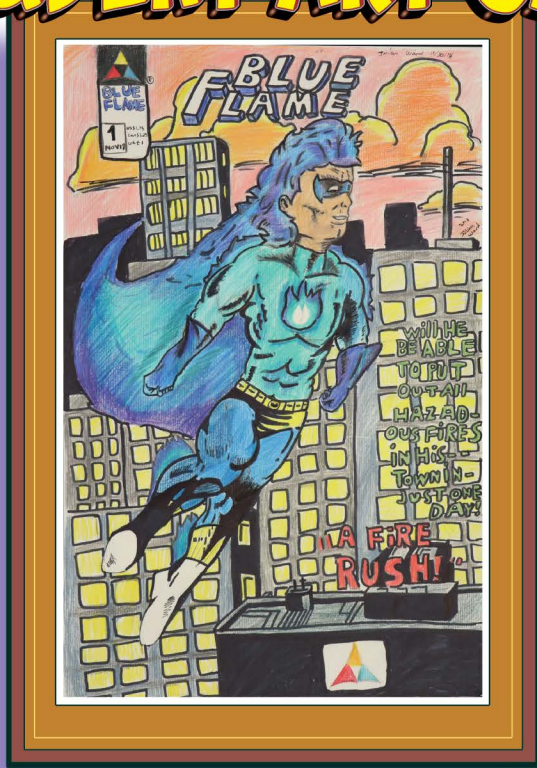
NOW THAT YOU HAVE DECODED OUR IMPORTANT MESSAGE, YOU CAN USE THE CODE KEY TO WRITE MESSAGES OF YOUR OWN!

ANSWER: CALL 8-1-1 BEFORE YOU DIG. FLOWER GARDENS OR DRAINS - MLGW WILL LOCATE YOUR GAS LINES SO YOU CAN DIG SAFELY.

# THE BLUE FLAME STUDENT ART GALLERY



9-12 GRADE CATEGORY  
 TITLE: "BLUE FLAME" (THE CARTOON)  
 ARTIST: JAYLEN MARK, 9TH GRADE  
 CENTRAL HIGH SCHOOL



6-8 GRADE CATEGORY  
 TITLE: "A FIRE RUSH"  
 ARTIST: JULIAN WARD, 6TH GRADE  
 GRIZZLIES PREPARATORY CHARTER SCHOOL



K-2 GRADE CATEGORY  
 TITLE: "MLGW GIRL"  
 ARTIST: TIERA WREN, 2ND GRADE  
 KIPP MEMPHIS ACADEMY ELEMENTARY



3-5 GRADE CATEGORY  
 TITLE: "BLUE FLAME IS SAFE!"  
 ARTIST: ROMY WALKLEY, 5TH GRADE  
 SNOWDEN SCHOOL





# THE BLUE FLAME

**DO YOU REMEMBER?**

**THE CORRECT COLOR OF A PILOT LIGHT IS BLUE!**

**THE SMELL ADDED TO NATURAL GAS IS A SAFETY FEATURE FOR YOU!**

**ALWAYS CALL 8-1-1 BEFORE DIGGING IN THE YARD! 8-1-1 HELPS AVOID ACCIDENTS.**



**YOUR FOLKS SHOULD KNOW HOW TO SAFELY USE A GAS SHUTOFF VALVE!**

**SUSPECT A GAS LEAK? CALL 9-1-1 FROM OUTSIDE! NEVER TURN ANYTHING ON NEAR A GAS LEAK.**

