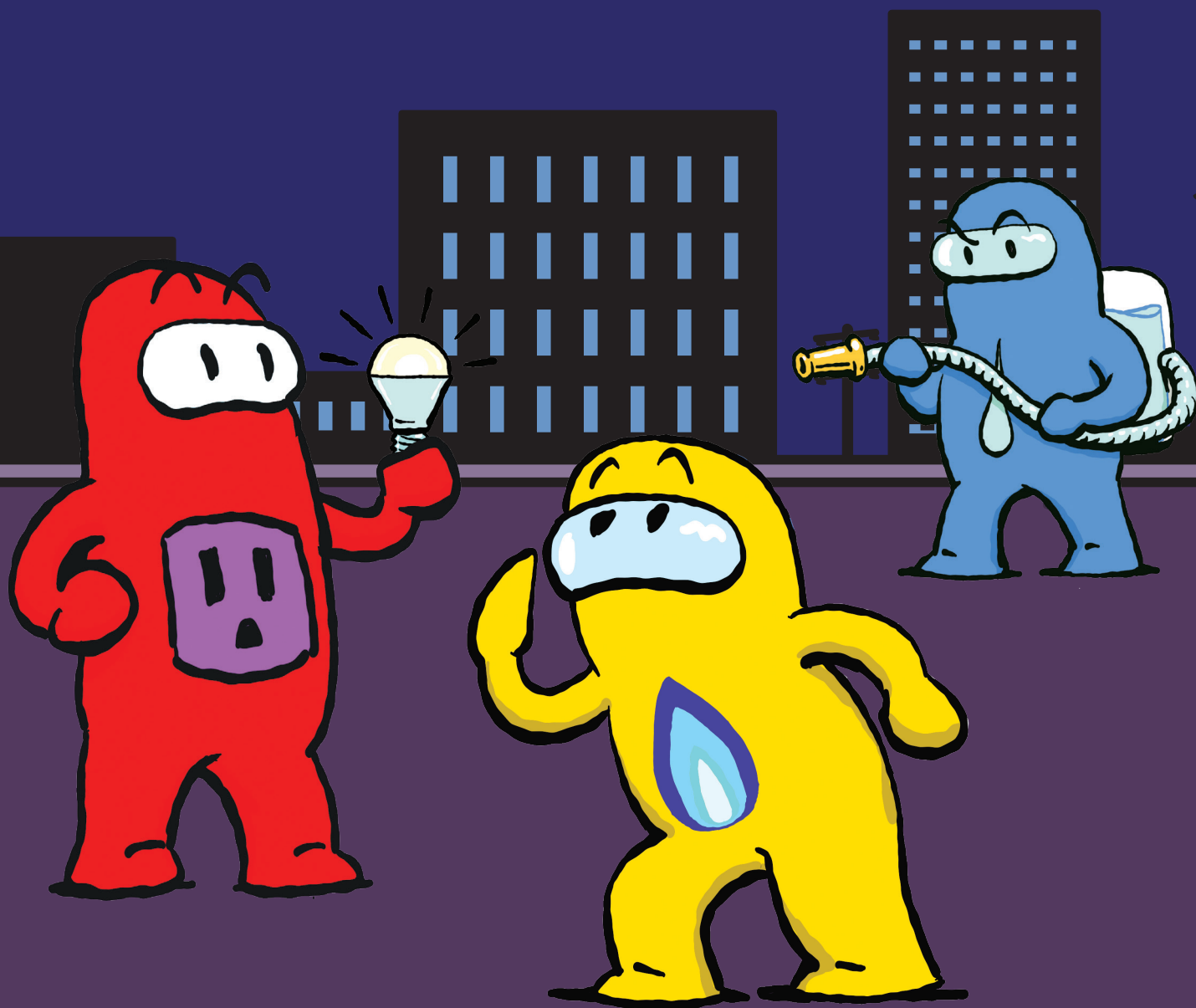


Energy Action Team



Energy Efficiency



Energy
Efficiency
Program

PEOPLES GAS®
ENERGY EFFICIENCY PROGRAM

NORTH SHORE GAS®
ENERGY EFFICIENCY PROGRAM

This program is funded by ComEd, Nicor Gas, Peoples Gas and North Shore Gas customers in compliance with state law.

Energy Action Team

Welcome to the Energy Action Team! You are now part of an elite team of students who make it their mission to conserve natural resources to help make the planet a better place to live. By now, you've seen the *Energy Action Team* online show, which filled you in on many of the things you need to know in order to complete your mission: how to save energy, conserve natural gas and use water wisely.

Now you can apply your newfound knowledge by exploring this playbook. Meet Proton, Pilot and Glurg! These three blobs of resource-loving excitement have lots of knowledge to help you. Sometimes, however, they can get a little out of hand. Professor Y and Dr. X keep them in check and help explain how resource conservation is tied to STEM (science, technology, engineering and math) disciplines. Congratulations on being a part of the Energy Action Team, and good luck!

EDUCATIONAL CONCEPTS

- The science behind natural resources
- Ways to conserve electricity
- Natural gas-saving tips
- The importance of water conservation

WORDS TO KNOW

Conserve

To save or use wisely

Drought

A prolonged period of very low rainfall

Electricity

A form of energy that is expressed in terms of the movement and interaction of electrons

Energy

Usable power that comes from heat, electricity, etc.

Fresh Water

Water we can use for cooking, cleaning and drinking

Geology

The science that deals with the Earth's physical structure

Natural Gas

A resource used in our homes for cooking and heating

Natural Resource

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

Salt Water

Water with a high salt content, usually found in the ocean

Waste

To use more than necessary

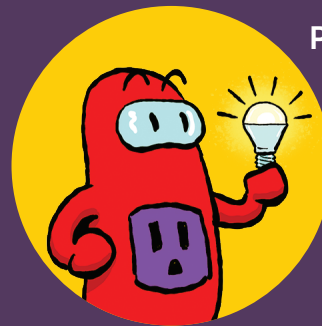
PILOT

A creature of habit, Pilot leads the way when it comes to saving natural gas.



PROTON

A whirlwind of energy, Proton loves to dash in and help you save electricity.



GLURG

A first responder-in-training, Glurg comes to the rescue when it comes to saving water.



PROFESSOR Y

The STEM leader of the Energy Action Team. Professor Y has a hard time keeping Proton, Pilot and Glurg on task.



DR. X

Professor Y's assistant. It's up to Dr. X to keep everything running smoothly, which it usually doesn't.



ENERGY WORDFIND

Find and circle all the words from the list below. Review their meanings on the inside front cover.

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

WORD LIST

Conserve
Drought
Electricity
Energy

Fresh Water
Geology
Natural Gas
Natural Resource

Salt Water
Waste

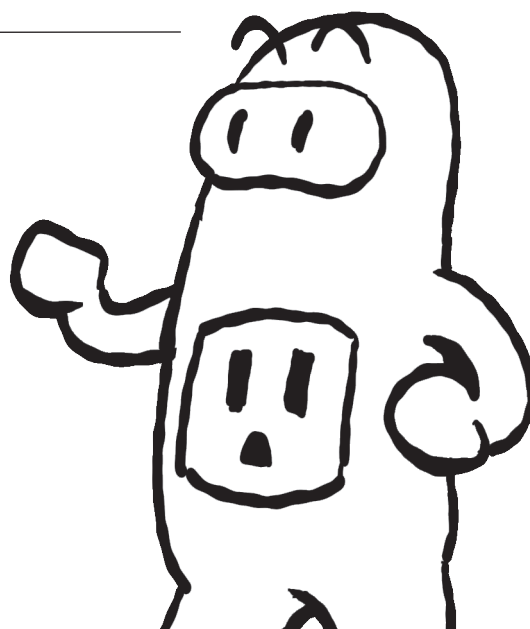


WRITE A STORY ABOUT

CONSERVING

Write a story about conserving electricity, natural gas and water. Include what you learned about all of these things. Use another piece of paper if you need it. Share what you know by reading your story to your family.

We can conserve electricity, natural gas and water by . . .

A simple line drawing of a cartoon character, possibly a pig or a bear, with a large, rounded nose and a surprised or excited expression. The character is standing on the right side of a page with horizontal lines. It has a small body, large ears, and a single visible eye with a wide-open mouth. The drawing is done in a minimalist, sketchy style with thick black lines.

DR. X'S

MATH MESSAGE

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

$3 \times 10 = \square \quad \text{E}$

$14 - 7 = \square \quad \text{L}$

$23 + 17 = \square \quad \text{T}$

$20 \div 5 = \square \quad \text{R}$

$11 \times 4 = \square \quad \text{S}$



$17 + 17 = \square \quad \text{O}$

$42 \div 7 = \square \quad \text{A}$

$8 \times 8 = \square \quad \text{C}$

$21 - 11 = \square \quad \text{U}$

$35 \div 7 = \square \quad \text{N}$

Saving

5 6 40 10 4 6 7

4 30 44 34 10 4 64 30 44

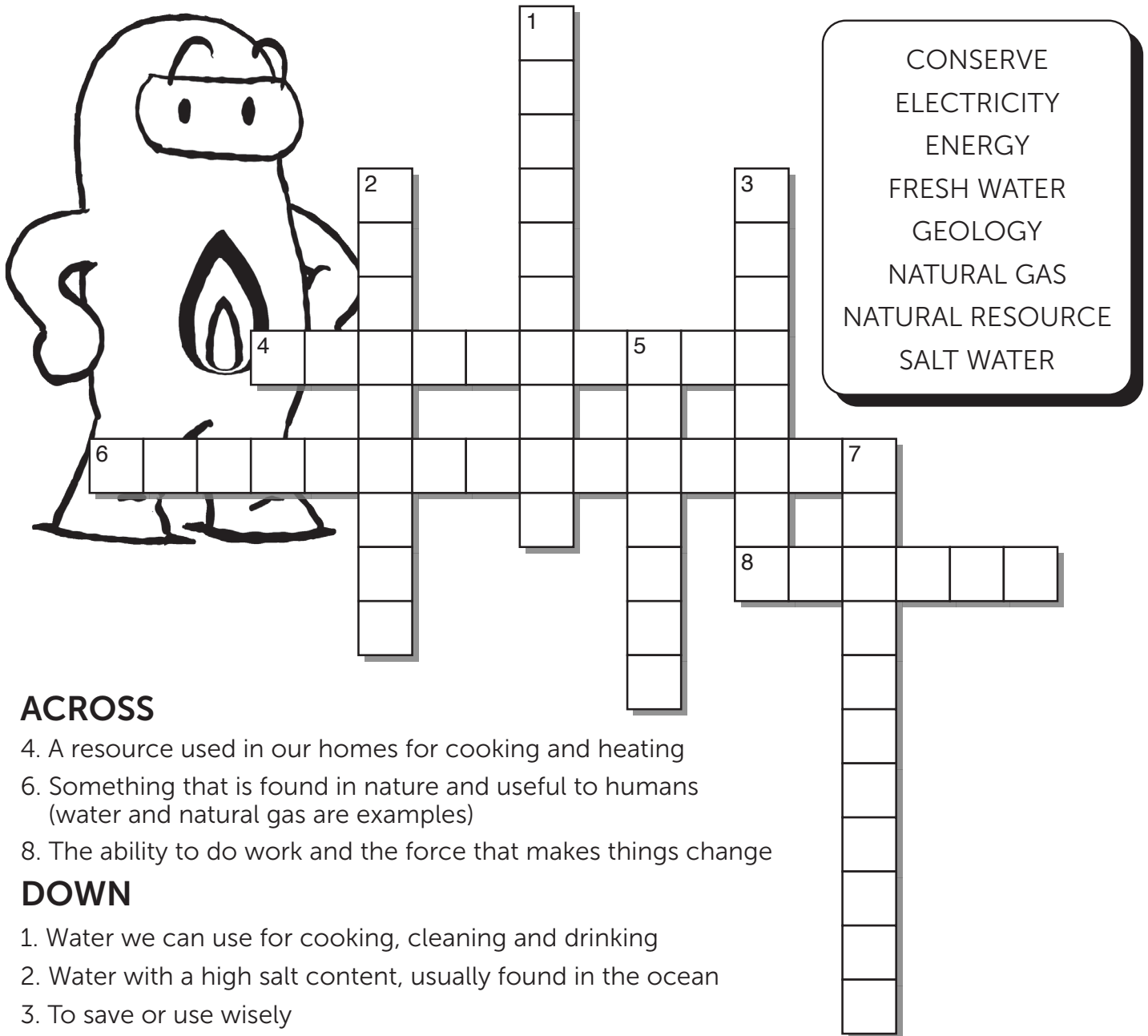
is good for the planet.

PILOT'S

CROSSWORD

Find the answer for each clue and write it in the correct space.

Look at the inside front cover if you need some tips.



ACROSS

4. A resource used in our homes for cooking and heating
6. Something that is found in nature and useful to humans (water and natural gas are examples)
8. The ability to do work and the force that makes things change

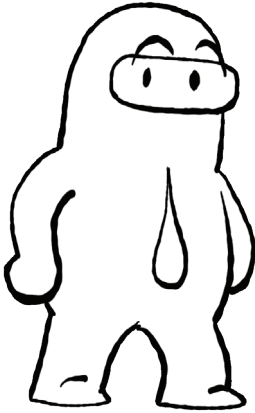
DOWN

1. Water we can use for cooking, cleaning and drinking
2. Water with a high salt content, usually found in the ocean
3. To save or use wisely
5. The science that deals with the Earth's physical structure
7. A useful source of energy used in many ways

Take-Home Family Activity

HOW MUCH

DO YOU USE?



We use electricity, natural gas and water in a lot of different ways. We use it for light, to heat and cool our homes, for cooking, cleaning and many other things.

List how many ways you use these things in a day. Ask an adult to help you go around your house and identify all the different ways you use them.

Use a second sheet of paper if needed.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____

14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____
25. _____

TOTAL

Check out



Energy ActionTeam.org

for more information on this great energy-saving program!



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