

# PETROLEUM PRODUCTS WE USE EVERY DAY



## WHO ARE WE?

FORED BC is an educational charity, (est. 1925) that provides balanced information about sustainable management of Canada's abundant natural resources. Environment & economy aren't mutually exclusive. Education is vital. **Learn more at: [foredbc.org](http://foredbc.org).**

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## PURPOSE OF ACTIVITY

This activity will enable youth exploration and reflection around the products made from natural resources and whether substitutes exist. They may be surprised to realize how many oil and gas products we rely on for daily life, from health care to transportation and recreation.

For example: ***Did you know Kayaks are made from oil and gas products?***

# THE ACTIVITY



## CONTENT

Crossword, Infographic & Reflection Sheets

All answers are related to oil and gas. This game fosters greater understanding of the balance between natural resources, the environment, our daily lives and our economy.



## GRADE LEVEL

Ages 10-13 (Gr. 5 - 7)

Play and enjoy with friends, family, or classmates. Ideal for grades 5-7. Younger ages may explore the crossword puzzles.

# ACTIVITY INSTRUCTIONS

## Crossword, Infographic & Reflection Sheets

### STEP 1



1. First look at the infographic with a variety of oil and gas products pictured. (*Not all are found in the crossword. Students may search some clues online.*)
2. Fill in the answers for **across** and **down** in the crossword by answering questions from **QUIZ SHEET**.
3. Do as many as you can.
4. Consult a classmate for help if group work permitted.
5. Finally, check your answers from the **ANSWERS SHEET**, distributed by the teacher after a suitable time.

### STEP 2



#### Move to the **REFLECTION SHEETS ONE & TWO**

1. Examine the questions and discuss them in small groups.
2. Share opinions with family, friends, or classmates.

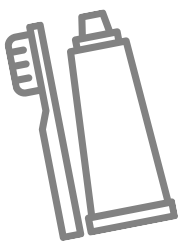
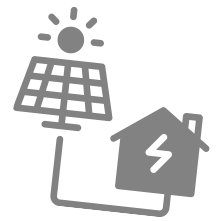
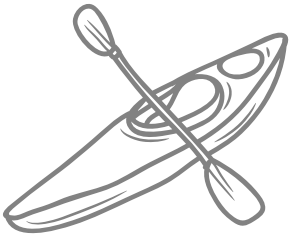
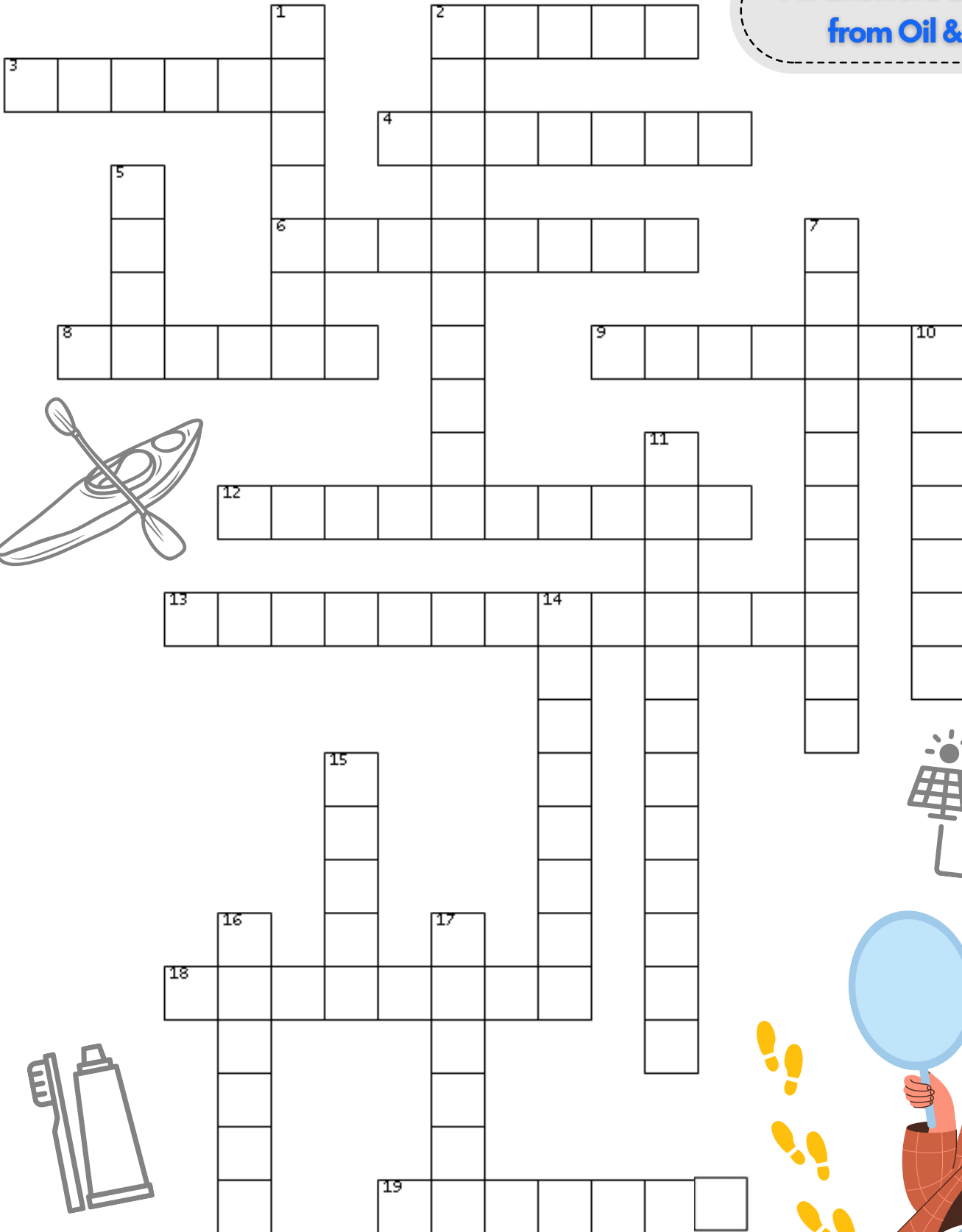
Educational activities have been adapted for use from a variety of online sources that are credited on last page of this resource.

# LET'S FIND OIL+GAS PRODUCTS

## CROSSWORD PUZZLE



All answers are made from Oil & Gas



# QUIZ SHEET

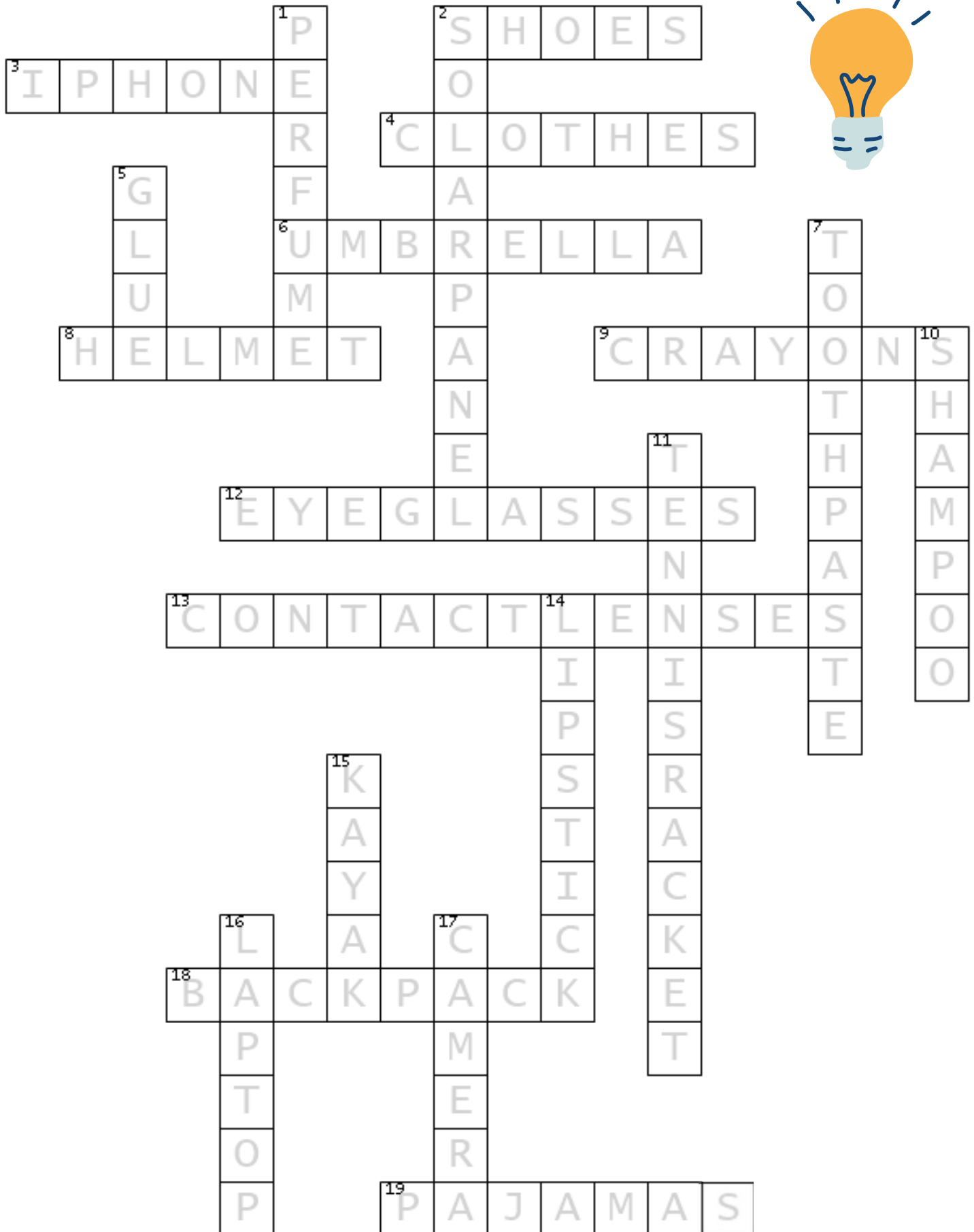
## ACROSS

2. A type of footwear that protects the foot
3. A smartphone made by Apple
4. Items worn over the body
6. Used as protection against rain or sometimes sun
8. A protective head covering made of hard material
9. A pencil or stick of colored chalk or wax, used for drawing
12. A lens worn to improve many types of vision problems
13. Thin, clear plastic disks you wear in eyes to improve your vision
18. Used for carrying items
19. Comfortable clothes for sleeping

## DOWN

1. A fragrant liquid that gives a pleasant smell to body or clothes
2. Devices used to absorb the sun's rays and convert them into electricity or heat
5. Used for sticking objects or materials together
7. A paste or gel used with a toothbrush to clean teeth
10. Used to wash something, such as hair, with soap
11. Sports equipment used for striking a ball in tennis
14. Colored cosmetic people put on their lips
15. A type of small boat using a double-sided paddle to move
16. A small, portable personal computer
17. A device for recording visual images, such as photographs.

# ANSWER SHEET





# REFLECTION SHEET ONE

Name

All of the products in the crossword puzzle are made from **OIL & GAS**.



Choosing products from the crossword puzzle, write down which ones you usually use or what you have at home or school. Discuss with your friends, family, or classmates which products you chose. What did your discussion partners choose? (*write in Others box*).

**YOU**

**OTHERS**



Study the *Products Made From Oil & Natural Gas* Infographic below. Did you spot the ONE item that is not made from Oil & Gas? How many of the 30 products pictured did you know were made from Oil & Gas?



Visit Natural Resources Canada (federal government) *Simply Science* for some videos & fact sheets about sustainable management. With your teacher's help, review *Why are Fossil Fuels so Hard to Quit?* written by a Stanford University Masters in Environmental Engineering professional Samantha Gross for Brookings (Educational) Institute. [QR Codes & websites provided](#).

Then, answer the questions about oil and gas products or alternatives in the Reflection Sheet Two provided.

<https://www.brookings.edu/essay/why-are-fossil-fuels-so-hard-to-quit/>

<https://www.nrcan.gc.ca/simple-science>

**"If you don't want a new iPhone,  
then we should stop mining."**

**- Barbara Collins, McMillan LLP,  
Métis lawyer, BC**

**Read more from [Barb in FORED blog](#).**



Did you know Canada has some of the highest standards of sustainable natural resource management in the world? Until we can replace all the everyday products we rely on made from oil and gas, decisions about natural resources management must be carefully balanced.

# MADE FROM OIL AND NATURAL GAS

Literally thousands of products you use and depend on every day are made or made better using **petrochemicals**: plastics and other materials that come from oil and natural gas.

## CAN YOU SPOT IT?

Only one of the 30 every-day products shown here is not made using petrochemicals derived from oil and natural gas.

Can you find it?



- |                  |                   |                    |                |                         |                        |
|------------------|-------------------|--------------------|----------------|-------------------------|------------------------|
| 1 toothbrush     | 6 smartphone      | 11 washing machine | 16 yoga outfit | 21 running shoes        | 26 saran wrap          |
| 2 safety goggles | 7 laptop computer | 12 ski jacket      | 17 shampoo     | 22 carbon-fibre bicycle | 27 cotton towels*      |
| 3 lipstick       | 8 rubber gloves   | 13 wind turbine    | 18 headphones  | 23 toy blocks           | 28 pills               |
| 4 airplane       | 9 crayons         | 14 dentures        | 19 garden hose | 24 electric piano       | 29 chemical fertilizer |
| 5 contact lenses | 10 helmet         | 15 fitness tracker | 20 syringe     | 25 kayak                | 30 electric car        |

\*The only product that doesn't rely on petrochemicals is #27.



# REFLECTION SHEET TWO

- 1) What do you think about oil & gas products?
  - 2) Do we still need them? (*Think about what you use daily at home or in school.*)
  - 3) Do alternative choices exist if we stop making products from oil and gas?
- Write your opinion with reasons in worksheet below. Discuss in class.*



1

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2

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3

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# REFERENCES/CREDITS/RESEARCH

Canadian Association of Petroleum Producers

<https://youngcanadiansforresources.ca/>

<https://indigenousresourcenetwork.ca/>

<https://www.science.org/content/article/can-world-make-chemicals-it-needs-without-oil>

<https://www.forbes.com/home-improvement/solar/solar-energy-pros-and-cons/>

<https://justenergy.com/blog/wind-energy-pros-and-cons/>

U.S Department of Energy

<https://www.shell.us/>

Eco-Careers in Natural Resources!

Youth Poll on Natural Resources Canada

