

GROW YOUR PALS PROGRAM GUIDE



THE NATIONAL FFA MENTORING PROGRAM

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LESSON 1.28

Agriculture Word Search

Unit:
FIELD TO FORK

PRECEPTS

NATIONAL STANDARDS

NL-ENG.K-12.12 – Applying Language Skills
NS.K-4.1 Science as Inquiry
NS.K-4.3 Life Science



Lesson Type:
One-on-One

STUDENT LEARNING OBJECTIVES

As a result of this lesson, the student will ...

- Explain the definition and scope of ***agriculture***.
- Create a word search game with at least 10 ***agriculture***-related words.





TIME

Instruction time for this lesson: **20-25 minutes.**



RESOURCES

United State Department of Agriculture. National Agriculture Library: Kids and Teens. Found at: http://riley.nal.usda.gov/nal_display/index.php?tax_level=1&info_center=8&tax_subject=433



TOOLS, EQUIPMENT AND SUPPLIES

- ✓ PALS1.28.ONE.AS.A
- ✓ Grid paper may be used in place of PALS1.28.ONE.AS.A
- ✓ Pencils/pens/markers
- ✓ Children's magazine, newspaper or book
- ✓ PALS1.28.ONE.AS.B



KEY TERMS

The following term is presented in this lesson and appears in ***bold italics***:
Agriculture

CONTENT OUTLINE

Objective 1. | What is ***agriculture***?

- A. Definition – ***Agriculture*** is the science of growing and raising plants and animals for use as food, clothing, shelter and other human needs
- B. Some areas of ***agriculture*** include:
 - 1. Plant science
 - 2. Animal science
 - 3. Environmental science
 - 4. Soil science
 - 5. Biotechnology
 - 6. Agribusiness
 - 7. Floriculture
 - 8. Forestry and natural resources



Objective 2. | Creating an *agriculture* word search.

- A. List at least 10 **agriculture**-related words in the box on the top of the worksheet
- B. Place these words in the grid on the worksheet. Place one letter in each box.
Write in all printed uppercase letters
- C. Words may go straight up and down or side to side and may overlap with each other but may not turn corners
- D. When finished, fill in the remaining grids with random uppercase letters

INTEREST APPROACH

Prepare for today's activity by gathering pencils, pens and PALS 1.28.ONE.AS.A or grid paper.



Good morning! I am so excited for another opportunity to work with you as we continue to discover where our food and clothes come from and how they are made. Today we are going to have lots of fun as we talk about agricultural words.

*Gauge your PALS' level of understanding by asking him/her to share their prior knowledge of **agriculture** and agricultural words.*



Let's get started. First, from what we have already learned together or what you already know, what is **agriculture** to you? Take a minute to think of a one-sentence definition or even just examples. When you are ready with ideas, we will discuss it.

*Allow your PALS about one minute to ponder the question and form a definition of **agriculture** to share with you. If they are struggling, work with them to turn examples and partial thoughts into a cohesive definition.*

SUMMARY OF CONTENT AND TEACHING STRATEGIES

OBJECTIVE 1. | Define *Agriculture*.



So, what is **agriculture** to you?

*Allow your PALS to share his/her thoughts on the meaning of **agriculture** or examples. Help your PALS understand that **agriculture** does involve farming and ranching but also includes many other aspects including marketing, research, education, engineering and environmental sciences.*



Usually, one of the first words everyone thinks of when they think about **agriculture** is farming. It is true that farming, raising animals or growing plants, is the foundation of **agriculture**, but did you know that **agriculture** includes so much more? In fact, one out of seven jobs in America is in some way related to **agriculture**. That's a lot of jobs!

*This would be a great place to ask the student what his/her parents do and try to make the connection to **agriculture** for them, or walk them through such a connection. For example, a truck driver is related to **agriculture** because of the commodities he/she hauls.*

I. What is **agriculture**?

A. Definition—**Agriculture** is the science of growing and raising plants and animals for use as food, clothing, shelter and other needs.

B. Some areas of **agriculture** include:

1. Plant science
2. Animal science
3. Environmental science
4. Soil science
5. Biotechnology
6. Agribusiness
7. Floriculture
8. Forestry and natural resources

*Explain a few of the many areas of **agriculture** with your PALS. Answer questions as they arise to help your PALS understand the complexity of **agriculture** and the industry in America.*



Now that we know the definition of **agriculture**, let's see if we can think of at least 30 words that are related to **agriculture**. We will use these words in just a minute to design our own game. I think that with you and me working together, we will be able to think of at least 30 words in three minutes. What do you think?

*Together, you and your PALS should challenge yourselves to think of as many words as possible that are related to **agriculture**. Examples could be things such as: corn, pork, veterinarian, fertilizer or cheese. You may wish to reward yourselves with an M&M or other small candy for every word over 30 you and your PALS think of in the allotted time.*



*A list of **agriculture**-related words is found on PALS1.28.ONE.TM.A.*

OBJECTIVE 2. | Create an *agriculture* word search with at least 10 words.



Now work with your PALS to choose 10 of these words to create a word search game.



Wow! We thought of so many words. All of these words really help me realize how important ***agriculture*** is to every part of our lives. Everything from food and clothes to medicine and the building we are sitting in are in some way related to ***agriculture***.

Now, it's time to make a game! The game we are going to make is called a word search or word find. Have you completed a game like this before? *Allow time for responses from the PALS.*

The objective is to place at least 10 ***agriculture*** words from our list onto the grid on our activity sheet. Once we place the words on the grid, we will hide them by placing other random letters around the words. When we are finished, one of our classmates will be able to take our game and try to find the hidden ***agriculture*** words.

- I. Create an ***agriculture*** word search
 - A. List at least 10 ***agriculture***-related words in the box on the top of the worksheet.
 - B. Place these words in the grid on the worksheet. Place one letter in each box. Write in all printed uppercase letters
 - C. Words may go straight up and down or side to side and may overlap with each other but may not turn corners
 - D. When finished, fill in the remaining grids with random uppercase letters

Provide your PALS with PALS1.28.ONE.AS.A and PALS1.28.AS.B. Discuss the directions for creating the word scramble. Then, monitor your PALS' progress and work with him/her to complete the activity. This should take five to ten minutes to complete.



Alright, let's get started making a fun ***agriculture*** word search for our friends!



REVIEW / SUMMARY

*Review by allowing your PALS to explain the meaning of each of the 10 words he/she included in the **agriculture** word search.*



Wow! Look at the completed game. I think our classmates are going to love trying to find the 10 words you hid so well. Let's review. Can you point out the 10 words and explain what they are and how they are related to **agriculture**?

*Allow your PALS to point out each of the 10 words. Help your PALS review the meaning of each word and why it is related to **agriculture**. (For example, one word could be corn, which is one of the most important agricultural crops in the United States. Corn is used to feed both people and animals. Interestingly, corn is native to the United States, meaning it grew here before the very first settlers.)*



Great! You did such a great job today. Today was a busy day but I enjoyed every minute of it! We have discovered the meaning of **agriculture** and all of the wonderful food, clothes and jobs it provides for our country. I hope you will share what you have learned with your friends and family. See you soon. Goodbye!

APPLICATION



Large Group Idea

*Each student will create his/her own word search puzzle one-on-one with their partner. Then students will trade their word puzzles and complete a word puzzle from another student. When each student in the large group has completed a word puzzle, students will share words from the word find that may have been new or unknown to them. Discuss these **agriculture**-related terms as a large group.*

Continued Discussion

*Continue discovering **agriculture**-related terminology by reading a children's magazine or newspaper with your PALS and browse for words that are related to **agriculture**. You may cut out all of the **agriculture**-related words (as well as pictures) to create an agricultural terminology mural.*



PALS1.28.ONE.ASSESS.A | EVALUATION ANSWER KEY

Students may be evaluated using PALS1.28.ONE.ASSESS.A.

ANSWERS TO EVALUATION:

1. Agriculture
2. Plants
3. Animals

PALS1.28.ONE. ASSESS.A

Student Name: _____

Answer the following questions by filling in the blanks with the correct word found in the word bank below:

Word Bank: *plants* *animals* *agriculture*

1. The art of growing and raising plants and animals for food and clothes is called what?
2. People get their food and clothes from _____ such as corn, broccoli and tomatoes.
3. People also get food and clothes from _____ such as cows, sheep, pigs and goats.

PALS1.28.ONE.AS.A

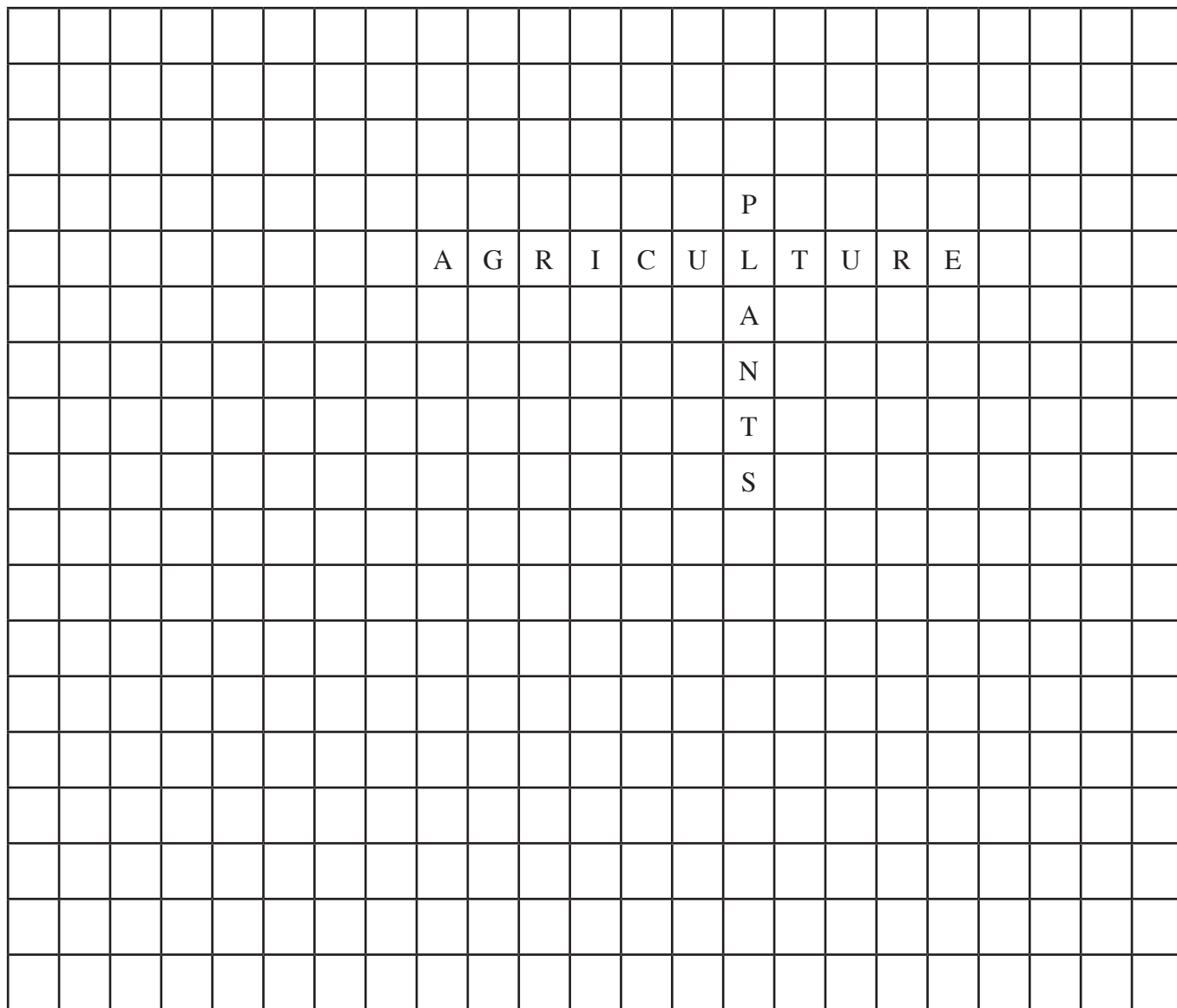
Agriculture Word Search

Student Name: _____ Date: _____

Find the following agriculture words in the search below: list at least 10 words

Agriculture

Plants





PALS1.28.ONE.AS.B

Directions for Creating an Agricultural Word Search

1. List at least 10 agriculture-related words in the box on the top of the worksheet.
2. Place these words in the grid on the worksheet. Place one letter in each box. Write in all uppercase letters.
3. Words may go straight up and down or horizontal and may overlap with each other but may not turn corners.
4. When finished, fill in the remaining grids with random uppercase letters.
5. Two words have already been done for you.