

Name _____ Date _____ Hour _____

ACTIVITY 2.1

UNIT WORD SEARCH

agriculture
celluloid
clans
combine
Dust Bowl

export
harvest
headers
history
hobo

import
mechanization
migration
railhead
reapers

shocks
synthetic
tenant farmer
tribes

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

ACTIVITY 2.2

AGRICULTURE AROUND YOU

Student Materials

Pencil

1. Look around you...what do you see? Agriculture is all around you. Write down the agricultural products you can see as you sit in your desk. (Remember: Plastics are made from agricultural products too.)

• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____
• _____	• _____

2. Why do you think it would be important for a student your age to learn about agriculture?

ACTIVITY 2.3

AGRICULTURE IN YOUR NEIGHBORHOOD

Student Materials

- Pencil
- Phone book

Introduction

How many people in your neighborhood work in agriculture-related industries? You might be surprised at the answer! The baker, the grocer, and the person who cooks your school lunch all work in agriculture-related jobs. A person who sells stationery, a floral designer, and a veterinarian also work in agriculture-related jobs.

Using a phone book, make a list of 10 businesses. Then indicate if that business is an agricultural business (A) or an agriculture-related business (R).

Example	<u> A </u>	Merle’s Butcher Shop	Sells livestock products
	<u> R </u>	Shoe City	Sells shoes made of leather
	<u> R </u>	Bridal Boutique	Sells wedding dresses made of cotton and linen; wedding cakes made of flour

	Business Name	Relationship to Agriculture
_____ 1.	_____	_____
_____ 2.	_____	_____
_____ 3.	_____	_____
_____ 4.	_____	_____
_____ 5.	_____	_____
_____ 6.	_____	_____
_____ 7.	_____	_____
_____ 8.	_____	_____
_____ 9.	_____	_____
_____ 10.	_____	_____

ACTIVITY 2.4

How Much Money?

Student Materials

- Pencil
- Calculator

Calculate the amount of money per month available after the purchase of food for families living in each country.

Example: A family has a yearly income of \$50,000. How much money would be available each month for living in each country after food is purchased?

To find the monthly amount available, multiply the yearly income by the percentage as a decimal. To change a percentage to a decimal, move the decimal point two places to the left. Then, subtract your answer from the original income and divide by 12 months. The answer is the amount this family has to spend on expenses other than food each month.



USDA-ERS Food Expenditures Data, Photos courtesy of Thinkstock Photos and Wikimedia Commons

United States	Japan	Mexico	India	Kenya
$\$50,000 \times .065 =$ \$3,250	$\$50,000 \times .135 =$ \$6,750	$\$50,000 \times .233 =$ \$11,650	$\$50,000 \times .290 =$ \$14,500	$\$50,000 \times .469 =$ \$23,450
$\$50,000 - \$3,250$ = \$46,750	$\$50,000 - \$6,750$ = \$43,250	$\$50,000 -$ $\$11,650 =$ \$38,350	$\$50,000 - \$14,500$ = \$35,500	$\$50,000 - \$23,450$ = \$26,550
$\$46,750 / 12 =$ <u>\$3,895.83</u>	$\$43,250 / 12 =$ <u>\$3,604.17</u>	$\$38,350 / 12 =$ <u>\$3,195.83</u>	$\$35,500 / 12 =$ <u>\$2,958.33</u>	$\$26,550 / 12 =$ <u>\$2,212.50</u>

1. \$24,500

2. \$72,000

3. \$10,000

	United States	Japan	Mexico	India	Kenya
1					
2					
3					

Activity Extension

What can family #1 afford after purchasing food?

Shown here are the expenses an average family in America might have after purchasing food. Determine if family #1 in each country can afford to live with these monthly expenses after purchasing food.

Discussion Questions

1. Which country's family #1 can afford to live with these expenses after purchasing food?
2. What does this mean for the family that cannot afford these expenses?
3. What expenses might a family have to cut out in order to live?

Monthly Expenses	
Mortgage	\$800
Car Payment	\$300
Home Internet	\$50
Phone/Cell Phone	\$60
Gas/Electricity	\$80
Water	\$40
Television	\$60
Total	\$1,390

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ACTIVITY 2.5

CONTINENTAL AGRICULTURE

Student Materials

Pencil
World Map

Background

Agriculture is an important industry in every country of the world. However, different crops are grown in different parts of the world. Sometimes the same crops are grown, but the products are used differently. For example, in the Middle East, lamb is the most commonly used meat and grapes are grown, not only for the fruit, but also for the leaves, which are eaten with meat and vegetables.

Using a world map, find the name of two countries on each continent.

<u>Country</u>	<u>Country</u>
North America _____ _____	South America _____ _____
Europe _____ _____	Asia _____ _____
Africa _____ _____	Australia _____ _____

Choose one country to research. Determine three agricultural products produced in that country.

Country _____	Products 1. _____
	Products 2. _____
	Products 3. _____

Name _____ Date _____ Hour _____

ACTIVITY 2.6

THE FUTURE OF AGRICULTURE

Student Materials

Pen or pencil

Paper

Resources on agriculture

Directions

Choose one topic related to the future of agriculture that interests you. For example, topics might include precision agriculture and using sensing technology, biotechnology, water issues, sustainable initiatives, population growth, biodiversity, ocean farming, and distribution.

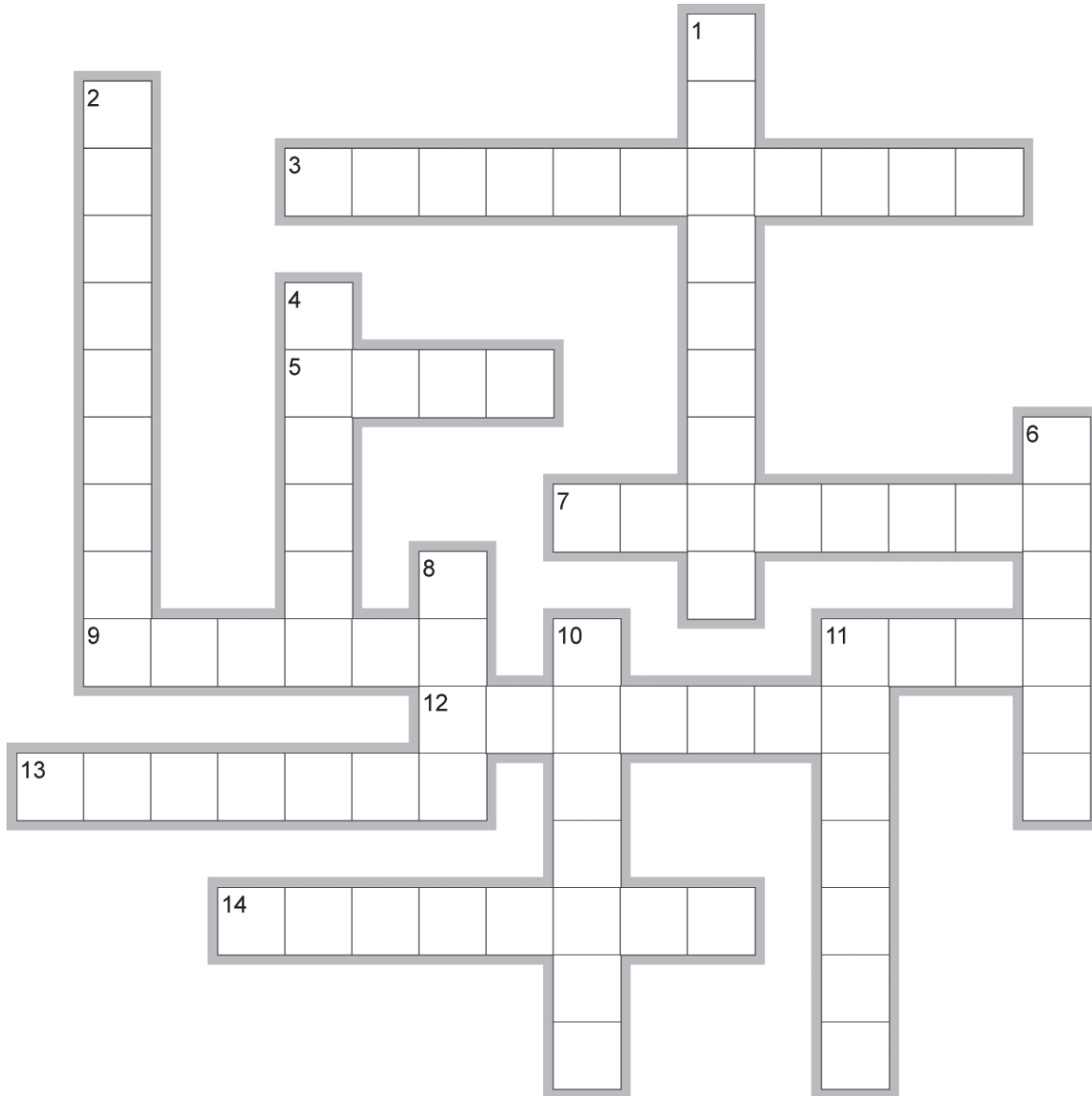
Write a report on your chosen topic following the guidelines listed below.

- Length should be 2 to 3 pages
- Include graphics and/or photos
- Describe how your topic is related to the future of agriculture
- Include interviews with farmers or consumers, if possible
- Include a list of the resources used

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ACTIVITY 2.7

UNIT REVIEW CROSSWORD



EclipseCrossword.com

Across

3. art and science of raising crops and livestock
5. Cattle were shipped to the _____.
7. most famous cattle trail
9. eventually outnumbered buffalo
11. migrant worker
12. study of facts or truth as they relate to nature
13. can feed 143 people
14. Plowing and tilling led to the _____.

Down

1. made from plant chemicals
2. not natural
4. farmers who rented land
6. product brought to the U.S. from another country
8. The Dust Bowl taught farmers to till _____.
10. Agriculture shaped _____.
11. cuts wheat and other crops