

UNIVERSITY OF
MARYLAND
EXTENSION



AGRICULTURE

Supplemental Workbook



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**Please give us feedback on
this workbook. Thank you!**

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Maryland Farm Products

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

Vegetables
Sorghum
Horses
Wheat
Soybeans
Barley

Swine
Goats
Flowers
Sheep
Cattle
Corn

Fruit
Milk
Hay
Sod



Agricultural Industry Quiz

- 1** Cows provide the milk you pour over your cereal at breakfast and drink with your lunch at school. Milk is also used to make which of the following foods?
 - a) Cheese
 - b) Ice Cream
 - c) Yogurt
 - d) All of the above

- 2** Hay is cut grass, clover or alfalfa gathered into bales or bundles. True or false: Most hay is used as animal feed
 - a) True
 - b) False

- 3** Soybeans can be found in various food and non-food products. Which of the following products are made with soybeans?
 - a) Video Tapes
 - b) Baby Food
 - c) Ink
 - d) All of the above

- 4** The weather is important to farmers because their job depends on it. What weather combination is the right mix for crops to grow?
 - a) A lot of rain and no sun
 - b) No sun and No rain
 - c) Frequent Sun and Frequent Rain

- 5** Eggs come from chickens. True or false: All chicken eggs have white shells
 - a) True
 - b) False



Agricultural Industry Quiz (Continued)

- 6 The Fourth of July would be less exciting if it weren't for agriculture. Which crop is found in fireworks?
- a) Corn
 - b) Soybeans
 - c) Wheat
- 7 Ham comes from which animal?
- a) Pig
 - b) Cow
 - c) Chicken
- 8 Soybeans and corn are used to make some kinds of paint. These crops are also found in which of the following products?
- a) Adhesives (glues)
 - b) Paper
 - c) Ink
 - d) All of the above
- 9 If it weren't for agriculture, your pizza probably wouldn't taste very good. Which of the following animals supply ingredients that are used to make pizza?
- a) Cows
 - b) Vegetables
 - c) Pigs
 - d) All of the above
- 10 Which grain is used to make the noodles in spaghetti?
- a) Wheat
 - b) Corn
 - c) Soybeans



Milk Processing Sequence

Every day, dairy farmers give their cows water to drink and a mixture of hay and grains to eat. Cows' bodies turn this food and water into milk. Two or three times a day, farmers milk their cows, using a special machine attached to the cows' udders. Milk is then stored in a refrigerated tank on the farm. Farmers test the milk to make sure it is wholesome. Every other day or so, trucks visit each dairy farm to pick up the milk and take it to a processing plant.

At the processing plant, workers test the milk again. Milk is pasteurized, which means it is heated up to kill any germs it may contain. Milk is also poured through tiny holes to break up solid particles; this process is called homogenization. Workers then put the milk into containers. Cartons and jugs of milk are sent to restaurants, schools and stores, where you can buy it to drink.

There are five breeds of dairy cows that you can find on American dairy farms.

Holstein



Jersey



Brown Swiss



Guernsey



Ayrshire

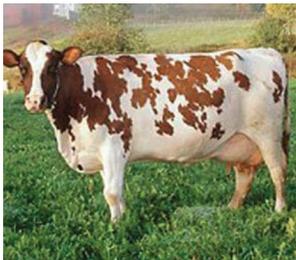


Image source: American Dairy Association North East



Milk Processing Sequence Activity

Match numbers to pictures to put them in order of how milk gets from the cow to the store.

1



2



3



4



5





Products Made From Crops

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

Plastic

Syrup

Fireworks

Dog food

Crackers

Pasta

Mayonnaise

Chocolate

Popcorn

Cereal

Soy sauce

Bread

Baked beans

Soft drinks

Ethanol

Chalk

Donuts

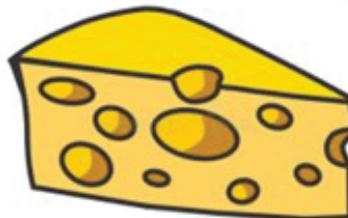
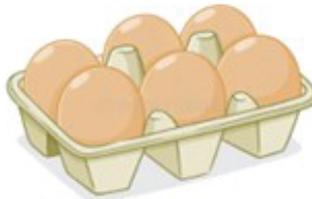
Tofu

Ink



Foods We Can Get From Goats

Circle the foods that could come from a dairy goat.





ANSWER KEY: Maryland Farm Products



Vegetables

Sorghum

Horses

Wheat

Soybeans

Barley

Swine

Goats

Flowers

Sheep

Cattle

Corn

Fruit

Milk

Hay

Sod



ANSWER KEY: Agricultural Industry Quiz

- 1** Cows provide the milk you pour over your cereal at breakfast and drink with your lunch at school. Milk is also used to make which of the following foods?

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 - d) All of the above**

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 - b) Baby Food
 - c) Ink
 - d) All of the above**

- 4** The weather is important to farmers because their job depends on it. What weather combination is the right mix for crops to grow?

 - a) A lot of rain and no sun
 - b) No sun and No rain
 - c) Frequent Sun and Frequent Rain**

- 5** Eggs come from chickens. True or false: All chicken eggs have white shells

 - a) True
 - b) False. Chickens can lay eggs in a variety of colors, including cream, blue, green, pink, white, and brown. The color of the shell has nothing to do with its nutritional value.**



ANSWER KEY: Quiz (continued)

- 6 The Fourth of July would be less exciting if it weren't for agriculture. Which crop is found in fireworks?
- a) **Corn. Corn starch helps keep the materials in the fireworks together so they combust at the right moment and burn evenly.**
b) Soybeans
c) Wheat
- 7 Ham comes from which animal?
- a) **Pig**
b) Cow
c) Chicken
- 8 Soybeans and corn are used to make some kinds of paint. These crops are also found in which of the following products?
- a) Adhesives (glues)
b) Paper
c) Ink
d) **All of the above**
- 9 If it weren't for agriculture, your pizza probably wouldn't taste very good. Which of the following animals supply ingredients that are used to make pizza?
- a) Cows
b) Vegetables
c) Pigs
d) **All of the above. Cows provide the milk to make cheese, vegetables are used as toppings, and pigs provide bacon and ham.**
- 10 Which grain is used to make the noodles in spaghetti?
- a) **Wheat**
b) Corn
c) Soybeans



ANSWER KEY: Milk Processing Sequence

Match numbers to pictures to put them in order of how milk gets from the cow to the store.

1



The milk truck picks up the milk from the farm.

2



Cows turn food and water into milk.

3



At the processing plant, the milk is tested, pasteurized, homogenized, and bottled.

4



The milk is sent to grocery stores, schools, and restaurants.

5

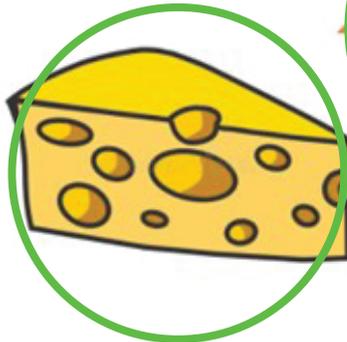
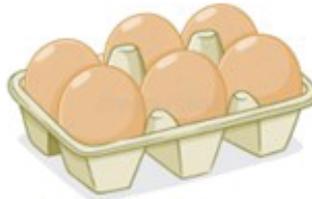


Milk is stored in a refrigerated tank on the farm.



ANSWER KEY: Foods We Can Get From Goats

Circle the foods that could come from a dairy goat.





Additional Resources

[Growing a Nation](#)

An interactive timeline of the history of agriculture in the U.S.

[National Ag in the Classroom](#)

Lesson plans and activities

[Montgomery County Office of Agriculture](#)

Montgomery County agriculture facts

[U.S. Department of Agriculture AgLab](#)

Science projects, factsheets, and games

[U.S. Department of Agriculture Maryland Farm Fun Activity Book](#)