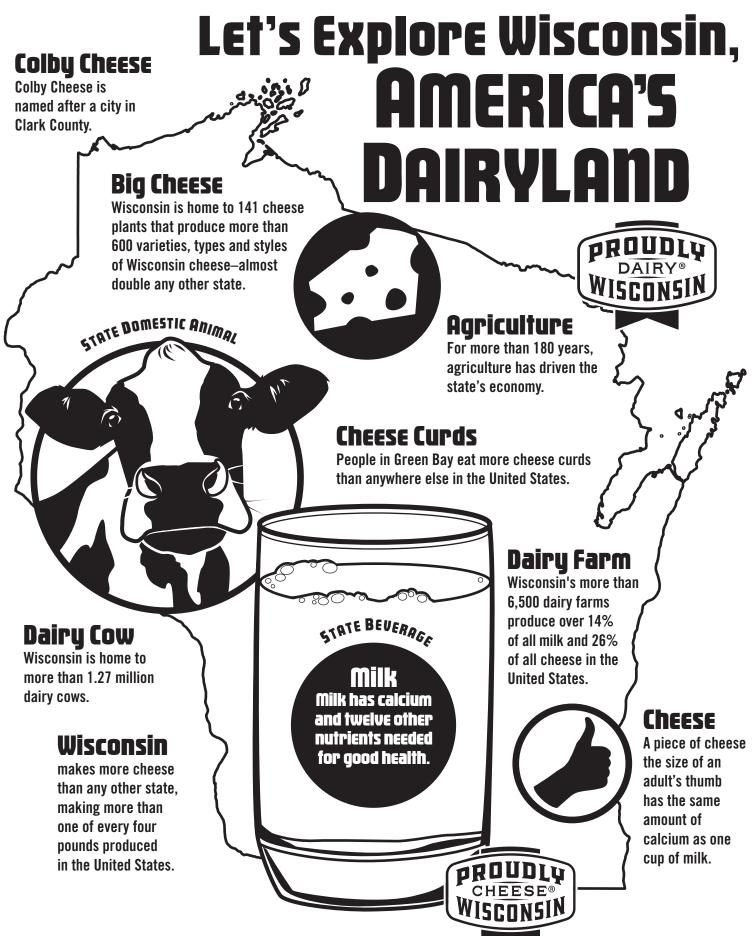


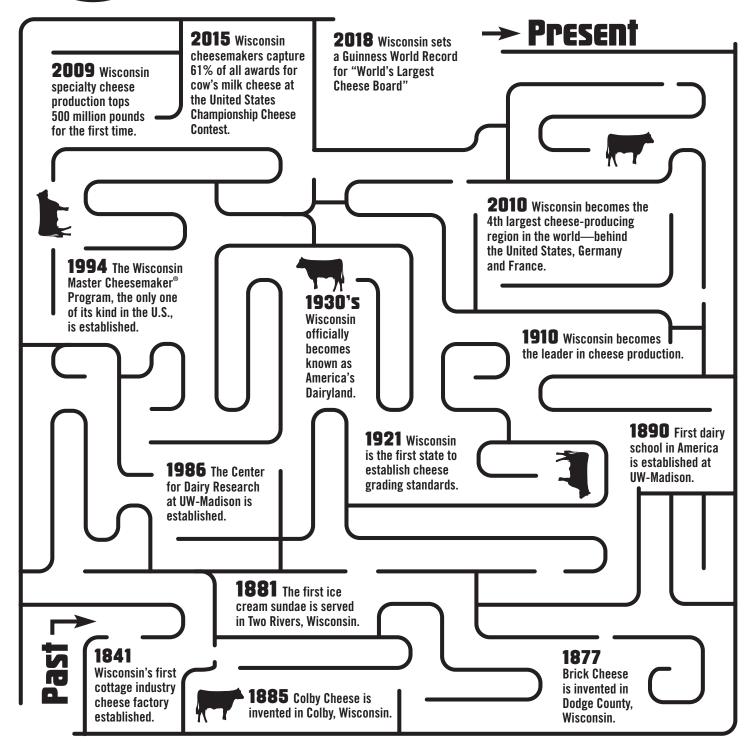
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# Wisconsin's Strong DAIRY HERITAGE



## WEICOME TO OUR DAIRY FARM

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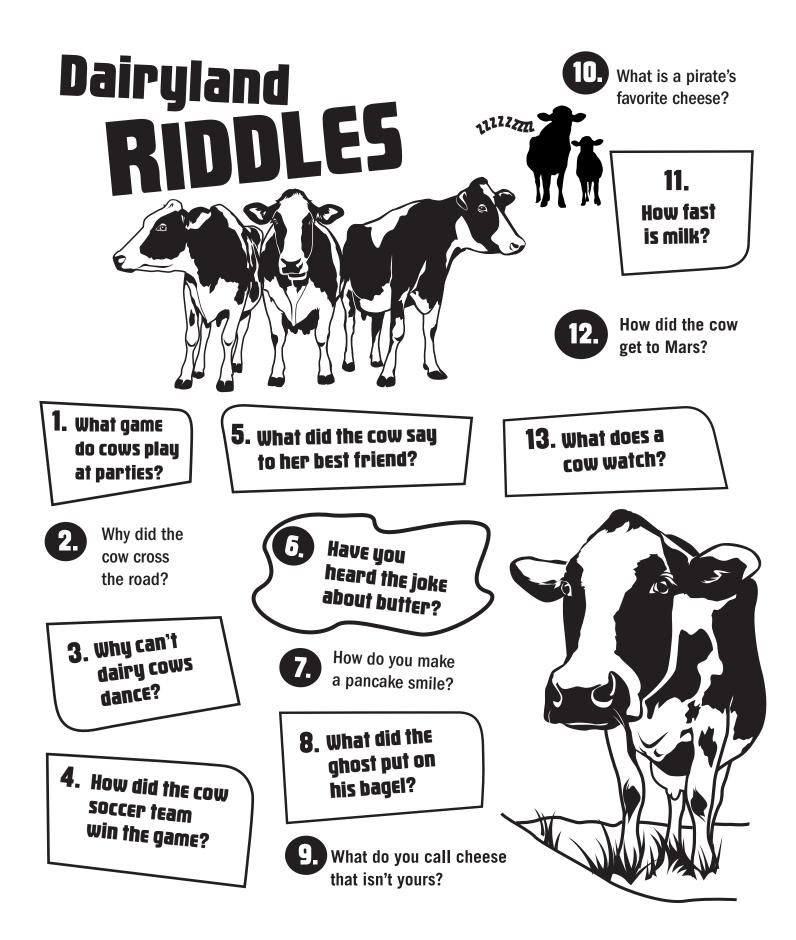
Today there are more than 6,500 dairy farms in Wisconsin.
Most of these farms are family owned and operated.
Dairy farmers are proud to care for their animals, produce high-quality milk and take care of the environment.

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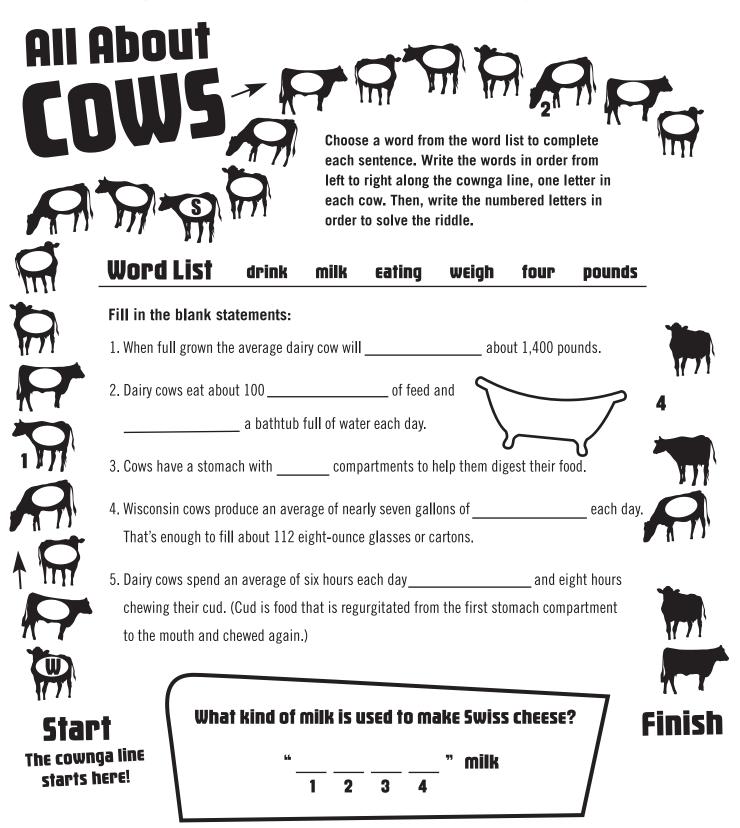
### Take a close look at this dairy farm.

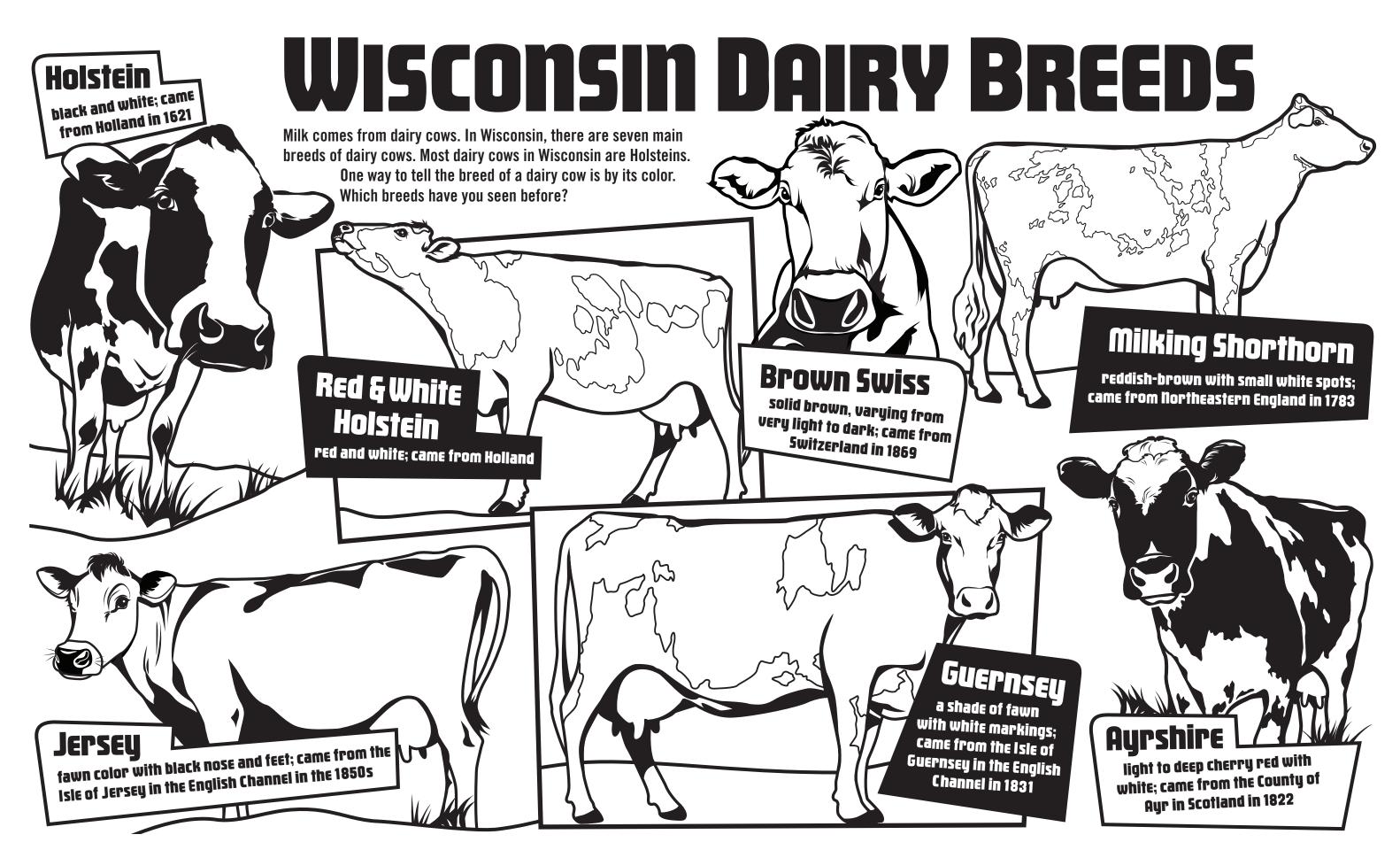
See if you can find 18 cows, 8 waving farmers, 20 wheat stalks, 8 milk chugs and 14 apples.

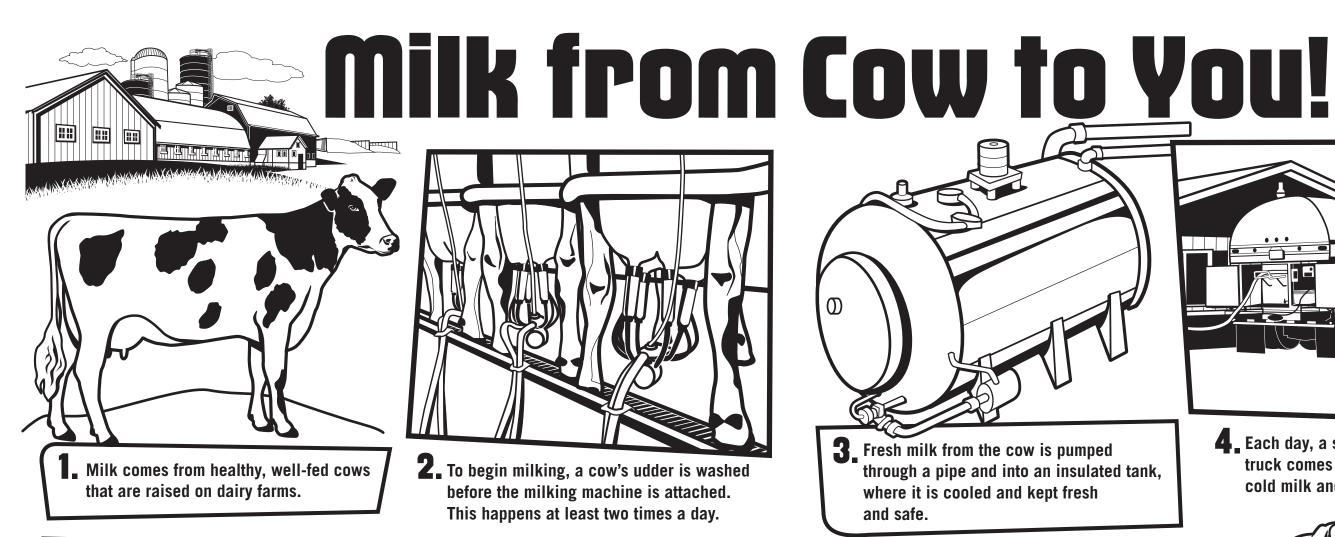


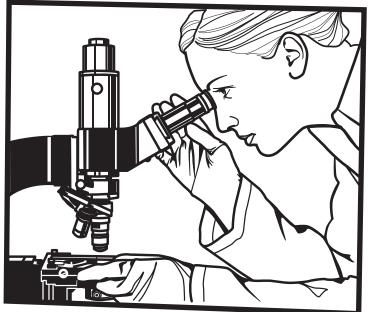


Wisconsin is home to more than 1.27 million dairy cows – that means there are more cows than school kids in Wisconsin! Dairy farmers give their cows plenty of good feed, clean water and a comfortable place to live. Cows are milked two or three times each day.

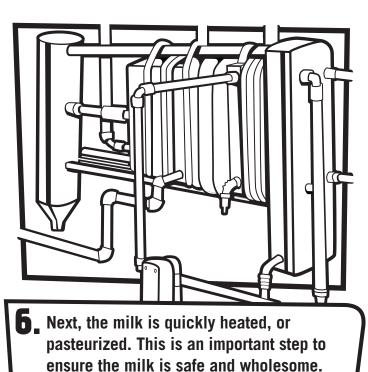




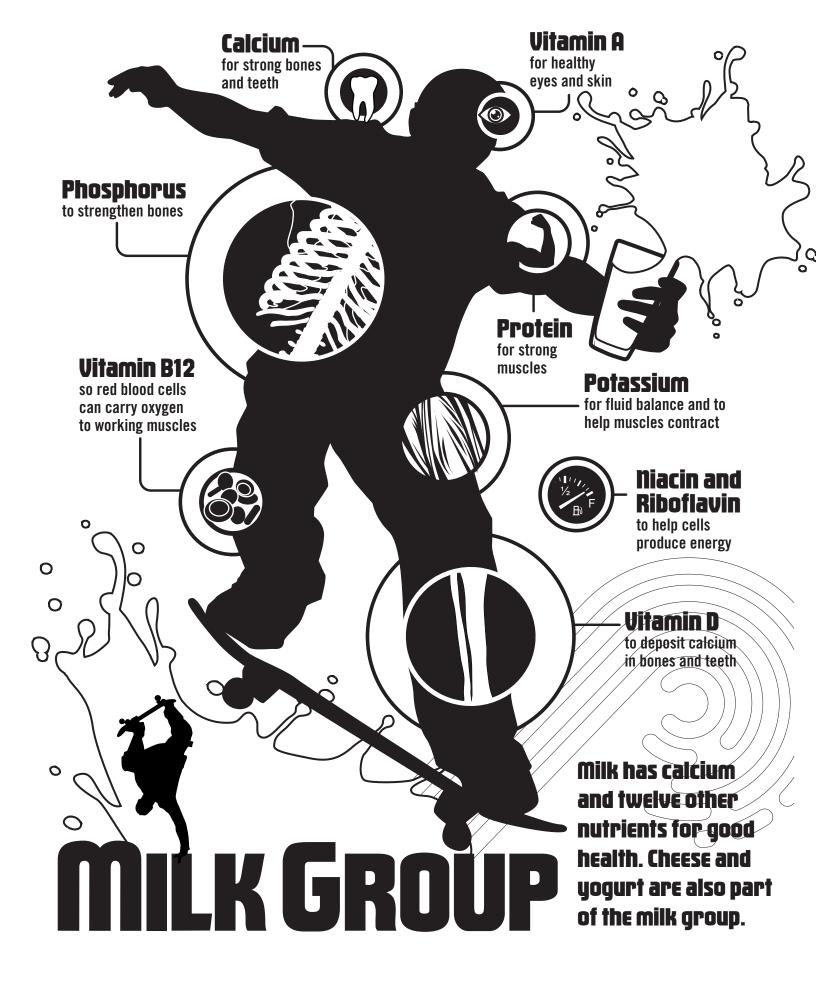


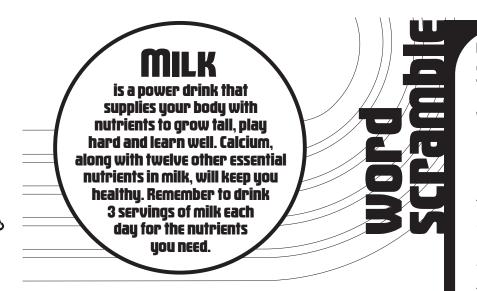


**5.** At the dairy plant, the milk is kept cold and tested many times for quality.









H C I W D N A S Y L L E J D N A R E T T U B T U N A E P IMSTDJUSOLCEJCIAOEPTLBPIOAMO B B R S R K U I C F M R L H K B Z R T A U B T U N A E F H C I A D N A S Y L L E S R E G R U B E S E E H C A E P W Z R O S R F K S C U I R H K R M V H I F T A Z Z I P R F 7 0 T I R 0 O I R 0 R G D 0 F U R H F U V A R 0 I V K K I R T V C E R E A L O M R F R F Y G O R H L R O F R S O R B A S R J G G R H I K R D M F I H B L K R I K M V E H G R E L M B R N R G U R I W P I R J A W V M J M R U L ZIEHERFYUIEHVYERNKSRVZEORGLB LORWGMLHBRFCILNSSAREDOLRJIRA F E R E A Y V L E U R N E J R E G R D R K R D R K H C T R I C L B C D J S Y I O E R D N K W E Y E A T O C Z U E L B R O R M J K E F U R O K A B L O Y K R B C I R E O G O W Y H K H R C E O R J D R C R O G I F O L H N U R G E H R B W Y K H U H R G Z R L R I Y J R H O Y E R A R L V EGRILLEDOHEESESAHDWOCPJHBPFH Y E R E H C I W D N A S E S E E H C D E L L I R G J K W

### Search for these foods that taste great with milk:

PANCAKES, CEREAL, CHEESEBURGERS, GRILLED CHEESE SANDWICH, LASAGNA, MUFFINS, BAGELS, COOKIES, PASTA, PEANUT BUTTER AND JELLY SANDWICH, WHOLE WHEAT TOAST, CHICKEN FINGERS, VEGETABLES, PIZZA, FRUIT

Good nutrition tastes great in all types of milk—low-fat, reducedfat, fat-free, chocolate or strawberry. They all have the same nutrients. Choose the milk you like the best and drink 3 servings every day.

#### Unscramble the answers to learn more about the nutrients in milk and their functions in your body.

Which mineral helps build strong bones and teeth? **MIULACC** 

This nutrient keeps your body hydrated and cool and makes up 90% of milk's content. **TRAEW** 

This mineral also helps build strong bones. **ROHPSHOUPS** 

Which vitamin helps red blood cells carry oxygen to your muscles? **TANBMIIV-12** 

Name an important mineral needed to keep fluid balance in your body. **ATUOPSSIM** 

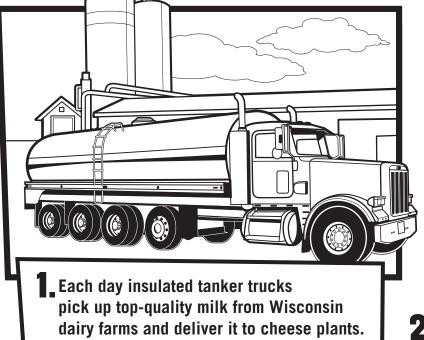
Which two B vitamins found in milk help the body's cells produce energy? **CNIANI** and **LVFAIINROB** 

This vitamin is needed to keep your skin and eyes healthy. **TMINAAVI** 

Name the major nutrient that helps build muscles for a strong body. **RITENOP** 

Sometimes called the "Sunshine Vitamin," it is needed to help deposit calcium in your bones and teeth. **TMNIADVI** 

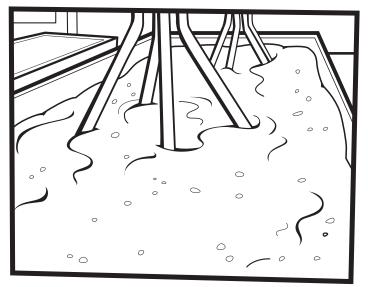
# How Milk BECOMES ChEESE THE APT OF CHEESEMAKING in Wisconsin





**2**\_Before cheesemaking begins, the milk is carefully tested, weighed and heated, or pasteurized.





**5**. The curd and whey are stirred and cooked until the curd reaches just the right amount of firmness for the type of cheese to be made. The whey is drained and saved for other uses.



**6**. Depending upon the type of cheese to be made, the curd is salted and then specially handled by the cheesemaker.



right to allow the cheese to age properly.



### CHEESE

Wisconsin cheese and other dairy products are especially important for preteens and teenagers when the body is forming nearly half of all bone mass and about 15% of adult height is added.

> Get a tape measure out and see how much you've grown lately.

How tall are you?

One and one-half ounces of natural cheese have the same calcium and protein as an 8 oz. glass of milk.

0

### Now that you have learned about the nutrients found in Wisconsin cheese, UNSCRAMBLE the answers to these questions about the nutrient functions in your body.

Which carbohydrate found in milk is not usually in cheese?

SOETCLA

Which fat found in cheese and other dairy products helps protect the body against some types of cancer?

#### SSPHGOLIIPNID

Which vitamin helps your body make red blood cells and is also needed to make DNA?

**TANBMIIV-12** 

Name a B vitamin that helps the body's cells produce energy.

#### LVFAIINROB

What mineral helps grow and repair tissues and muscles?

NICZ

Which mineral helps build strong bones and teeth?

IUMCCLA

# Working Words on a Dairy Farm

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MANANANANANA KANANANANANANANA



Wisconsin dairy farmers use many words which you may not know. Find the terms listed below in the Word Search box. If you don't know what some of these words mean, look them up to help you understand more about Wisconsin's dairy industry.

Bovine																					
Calcium		Ν	Μ	Ν	C	C	Ε	Η	Ρ	R	L	R	0	Ρ	J	Ε	S	Ζ	U	W	Z
Conservation		L	0	Т	S	Ε	V	R	A	Η	Ρ	Ε	Ν	Ε	V	Ν	F	М	D	X	U
Cream		W	A	I	S	I	L	Α	G	Ε	Ζ	Ζ	0	X	S	I	Ε	Ζ	D	Т	Z
Cud		Ν	G	C	T	Η	Μ	F	J	0	Ζ	Ι	Y	W	Η	V	E	I	Ε	Х	S
Fertilizer		U	T	N	Τ	Α	В	M	Y	Q	N	Ļ	R	W	S	0	G	Α	R	Q	G
Harvest		I	M	H	G	A	V	J	N	В	l	1	F.	W	P	B	J	C	M	G	C
Heifer		R	C	Z R	r G	J G	1	R	F	÷		l D	F	P D	T V	W	A Y	IVI V	T I	P V	I U
Homogenize		È	P	B	E	G	F	G	с 0	S	K	E	г Р	7	Ċ	Ĩ	Ĥ	ľ	Y	Ĕ	E
Lactation		N	X	M	N	Ă	K	Q	Ă	Ň	N	F	j	ĩ	B	Ú	S	Ň	ż	R	T
Nutrients		Τ	Q	R	Μ	W	Μ	B	K	L	S	0	U	D	Ū	C	E	I	L	K	K
Pasteurize		S	Η	Ρ	Т	Η	Y	V	S	U	L	Μ	C	Т	V	L	Ν	H	G	R	J
Silage		V	D	Т	Ρ	A	S	Т	Ε	U	R	I	Ζ	Ε	G	Ε	X	Т	Ν	F	Ν
Tillage		Ζ	C	G	Μ	B	C	Q	C	Ε	A	C	Т	G	G	V	Ε	Т	Ε	0	U
Udder		V	Ρ	U	D	X	X	F	F	X	U	G	R	0	L	S	Y	B	Ţ		Ρ
Whey		W	Ļ	L	B	L	Y		Η	X	F	B	M	Y	В	W	L	S	F	R	R
		В	1	Η	J	P	E	G	G	P		0	E	G	H	I		G	1	L	J
		J	Z	R	0 N	H	P	L	D	P	H	J	0	E	P	D	M	M	Q	B	l V
		U	L		N	A	K	U	U	I V	K	L	T	E	E	T D	X	V	P	X	K
	K S G W W B D O Y U I D E Q P Y Z K S O																				

Time

# Dairyland Code

Use the code below to answer these brain teasers!

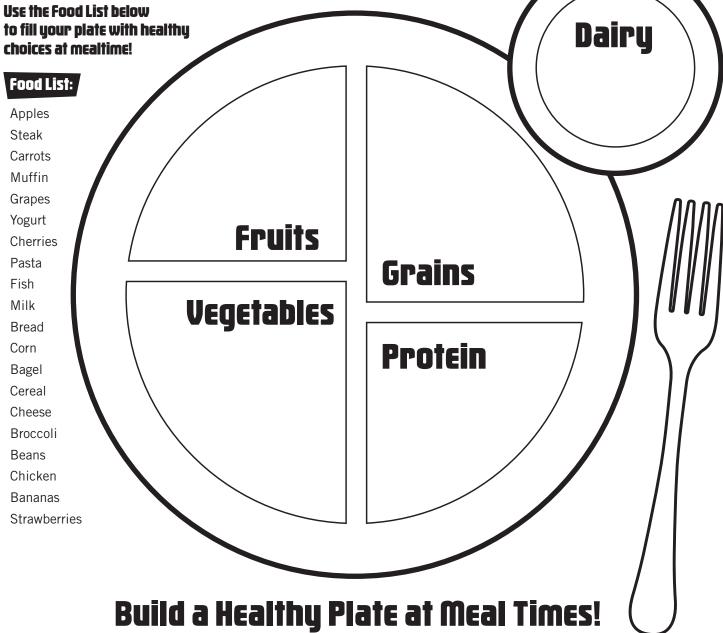
### A B C D E F G H I J K L M N 0 P Q R S T U V W X Y Z 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26

Who brought the first dairy cow to America? 3 8 18 9 19 20 15 16 8 5 18 3 15 12 21 13 2 21 19 What product uses approximately 90% of Wisconsin's milk? 3 8 5 5 19 5 What is milk mostly made of? 23 1 20 5 18 Which state is #1 in cheese production? 23 9 19 3 15 14 19 9 14 Cows spend an average of six hours each day doing what? 5 1 20 9 14 7 What is the most popular ice cream flavor? 3 8 15 3 15 12 1 20 5 90% of all dairy cattle in Wisconsin are what breed? 8 15 12 19 20 5 9 14 The average cow produces nearly 2,500 \_\_\_\_\_ of milk each year. 7 1 12 12 15 14 19 What breed of cow am I?

# USDA Plate

Are you making good choices when it comes to eating? One way to find out is to go to

This food icon helps us build a healthy plate at meal times and reminds us to include low-fat dairy, fruit, vegetables, protein, and grains. All of these foods help our bodies grow and be healthy.



# **REFUEL** with Chocolate Milk!

Low-fat chocolate milk has the right mix of nutrients to keep student athletes healthy–and tastes great, too!



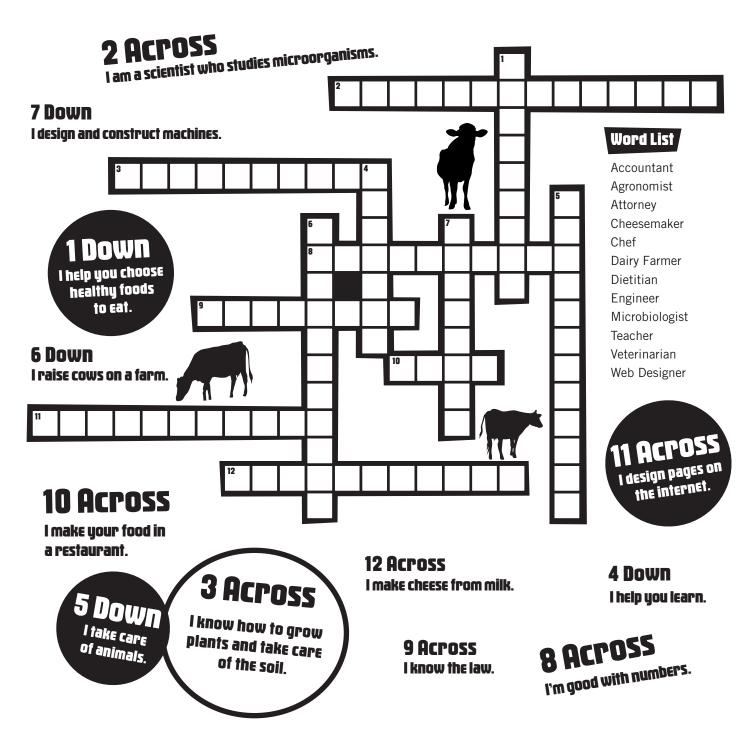
#### Dairy Word Power Puzzle 1 Answer questions 1-20 "across" to 2 reveal the highlighted "down" answer to the following question: 3 4 Who works in America's Dairyland, 5 raising crops and cows, to produce milk? 6 8 g 10 12 13 Low-fat 14 15 16 Low-fat Chocolate 17 18 19 20 1. The average Wisconsin dairy gives 112 glasses of milk each day. 12. Chocolate is America's favorite \_\_\_\_\_. 2. Drink milk \_\_\_\_\_ cold. 13. \_\_\_\_\_ is a special ingredient in cookies. 3. Milk, cheese and yogurt are one of the Five Food 14. Creamy is often flavored with fruit.

- 4. Top off a bowl of fruit with whipped \_\_\_\_\_\_.
- 5. Guess\_\_\_\_\_says "moo"?
- 6. Calcium is one of the \_\_\_\_\_ found in milk.
- 7. Calcium helps keep your\_\_\_\_\_ and teeth strong.
- 8. The opposite of "REAL" is \_\_\_\_\_
- 9. It takes \_\_\_\_\_ pounds of milk to make one pound of cheese.
- 10. Most children should \_\_\_\_\_ 3 glasses of milk each day.
- 11. \_\_\_\_\_ cheese is used to make pizzas.

- 15. Some people use \_\_\_\_\_ in their coffee.
- 16. The \_\_\_\_\_\_ breed of cow is white with light to deep cherry red patches.
- 17. \_\_\_\_\_ cheese is yellow and good in sandwiches.
- 18. All dairy foods are made from \_\_\_\_\_\_.
- 19. More than 600 varieties, types and styles of \_\_\_\_\_ are made in Wisconsin.
- 20. The "\_\_\_\_\_" means a food was made from "real" Wisconsin milk.



You don't have to come from a farm to choose a career in the dairy industry. There are dairy-related jobs everywhere for anyone. With more than 300 different careers associated with Wisconsin's progressive dairy industry, the possibilities are numerous.



### Answer Key

#### PAGE 3 **PAGE 18** PAGE 13 HPR Ρ word scramble (HCIWDNASYLLEJDNARETTUBTUNAEP) 2009 H) P Ε ٧ N Μ D X U T Z T D J U S O L C E J C I A O E(P T L B P I O A M ( S R K U I C F M R <u>L H K B Z R T A N B T U N</u> A E I CALCIUM X S I W H V E) Z O Z 0 Y Z Ε Z D E ΒB 0 E нс N A S Y L L E S R E G R U B K YEEH C) AEF MB J 1 х S WATER NIRHKRMVHITTTAZZIPR ORGDOEURHEUVAPROLVK DOMRFRFYGORHLROFRS HKRDMFIHBLXRIKMVE Q R W S O FKSC м Ν G W 7 F В I WΡ Ν I T R B M G PHOSPHORUS т X P D Y Ŵ Ρ KI VITAMIN B-12 A W V M J M R U НG G E P Ò INS X V Z E O R G L E A X E D O L R J I R A POTASSIUM Q N T S V ן <u>ז</u> ע 0 O L R J I R R D R K H C R M P T NIACIN, RIBOFLAVIN Q ) **B** Ś UC FFF h v ΗÝ Ъ S VITAMIN A D A S ΤE IBROR ίογ MIKFFIIR Ζ C GM C Q 0 PROTEIN OWYHKHRCEORJD 3,0G I 0 UD хх v Ρ U G 'n B т Т KHUHRGZRLÀ H R B(W)Y JRHOY Y I H X F E G G P T VITAMIN D L /M X W LB B W. S FGR I F D O H F F S F AHNWOCPIH H J P E G G P T O E C H H R O H P L D P H J C E P D T N A K U U I K L Y E E Y G W W B D O Y U I D E Q P В G L Y E R E H C I W D N A S E S E E H C D E L L I R G DMMQ В 7 VP EYX QPY K O 0.1 X S **PAGE 17** ΖK KS LACTOSE PAGE 6 **PAGE 22** 1 C O **SPHINGOLIPIDS** 1. Moosical chairs! VITAMIN B-12 3 G R O U P s 2. To get to the udder side. RIBOFLAVIN REAM C **PAGE 23** 3. They have two left feet ZINC 5 W H 0 'D 4. By milking the clock UTRIENTS CALCIUM <sup>2</sup>M I C R O B T 0 L 0 G I S T 7 B O N E 5. You're my butter half Ε ITATION Т Т 6. I better not tell you, it might spread 9 T E <sup>9</sup>AGRONOMIS I 7. Butter it up! С D R I N K F ۶v 10 8. SCREAM cheese 11 M O Z Z A R E L L А Έ I Α ď °ACCOUNTANT 9. Nacho cheese! 12 L CECREAM 13 B U T T E Ξ Н G Ν Е R 10. Ched-arrrgh! <sup>°</sup>ATTORNEY R I 14 Y OGURT 11. It's pasteurized before you know it IS HALLF&HALL R Ν I F Υ 12. It flew through udder space <sup>10</sup>C H E F Ν F 16 Α YRSHIRE Α Ε Α 13. Moo Tube 17 C H E D D A R "W E B D E S I G N E R R R 18 М ILK I Μ 19 C H E E S Ĉ H E E S E M A K E R A N REAL 20 PAGE 7 R **PAGE 4-5** 1. weigh 2. pounds, drink Take a close look at this dairy farm. 3. four See if you can find 18 cows, 8 waving farm 20 wheat stalks, 8 milk chugs and 14 appl 4. milk 5. eating "HOLE" milk **PAGE 19** ..... .... .... CHRISTOPHER COLUMBUS Ľ CHEESE WATER WISCONSIN EATING CHOCOLATE HOLSTEIN GALLONS JERSEY IS MY BREED Welcome to Our Today there are more than 6,500 dairy farms in Wisconsin.

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