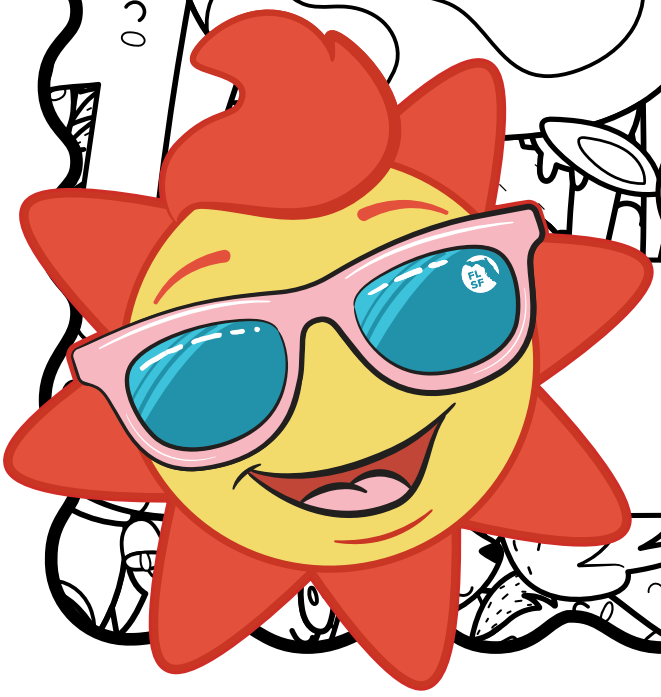
SUNNY'S AG ALMANAC



FLORIDA STATE FAIR

ALMANAC:

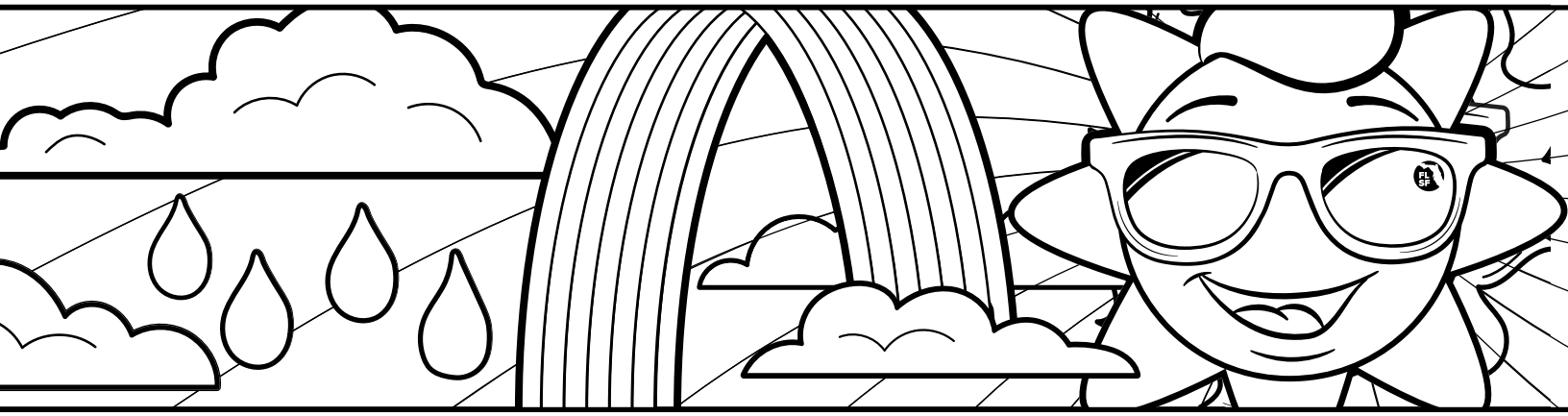
An almanac is a book , often published annually, containing practical information on a particular subject.

USE OF THIS ALMANAC:

This almanac has been developed to enhance your visit to the Florida State Fair as an educational activity.

YOU CAN USE THE ALMANAC:

- **Before your trip as an introduction to what you will see at the Fair.**
- **At the Fair as a workbook, we suggest you use a string to hang books around student's necks.**
- **After the Fair, use this workbook as a follow-up on what you saw and learned.**



Describe today's weather at the Fairgrounds: _____

_____

_____

_____

FLORIDA STATE FAIR

EDUCATIONAL SHOWCASES

FLORIDA STATE FAIR

A - Bob Thomas Equestrian Center
B - Insect Encounter
C - Livestock Barns
D - Poultry & Rabbit Barn
E - AG Hall of Fame / AG Showcase
F - Ag-Venture & Little Farm Hand
G - Florida Learning Gardens
H - Creative Living
I - FL Fish & Wildlife Exhibit
J - Cracker Country
K - Steam Engines
L - FL Cattle Ranching Exhibit
M - FL Forest Discovery Center

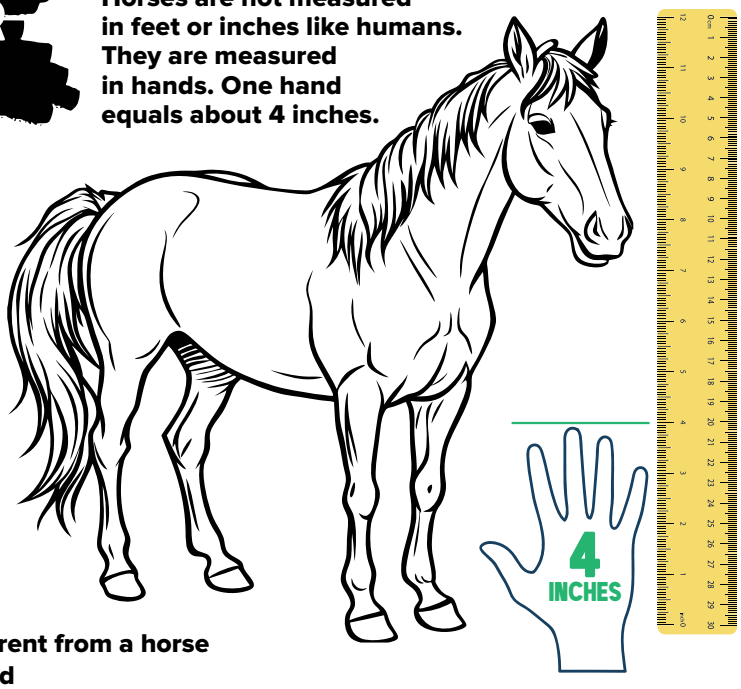
Presenting Sponsor

Mosaic®

BOB THOMAS EQUESTRIAN CENTER

DID YOU KNOW?

Horses are not measured in feet or inches like humans. They are measured in hands. One hand equals about 4 inches.



E•QUINE

/'ekwīn, ē,kwīn/

What does equine mean?

Equine is the connection to horses or appearing similar to a horse. The catagory of animals includes horses, ponies, donkeys and zebras.

EQUINE TERMINOLOGY

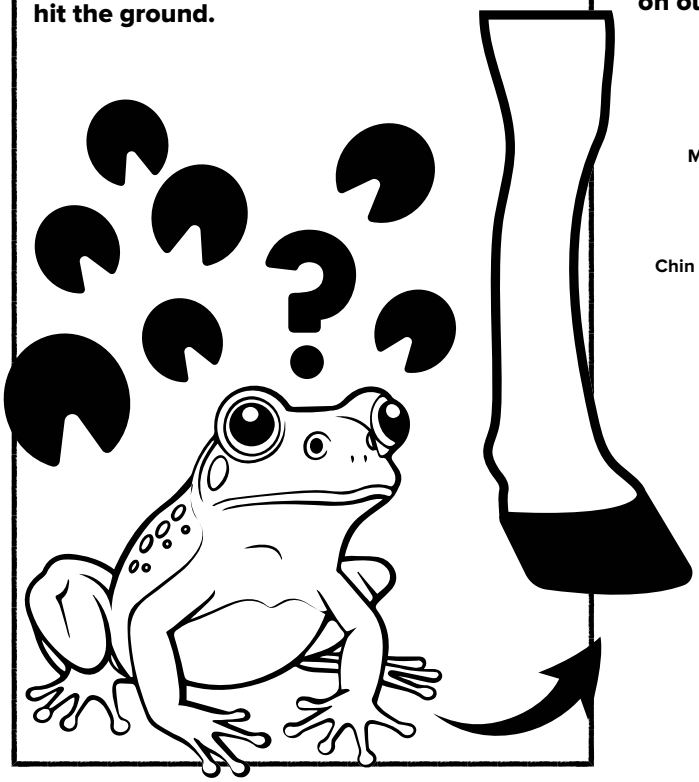
Match the correct word to the definition

_____ Foal	A. Adult male horse
_____ Colt	B. Part of the equine family; different from a horse
_____ Filly	C. A young equine up to a year old
_____ Gelding	D. A male donkey
_____ Stallion	E. Adult male horse used for breeding
_____ Mare	F. Female horse under the age of 4
_____ Pony	G. A female donkey
_____ Donkey	H. Male horse under the age of 4
_____ Jenny	I. Offspring of a male donkey and a female horse
_____ Jack	J. Mature horse that measures less than 14.2 hands
_____ Mule	K. Adult female horse

Answers: C – H – F – A – E – K – J – B – G – D - I

DID YOU KNOW?!

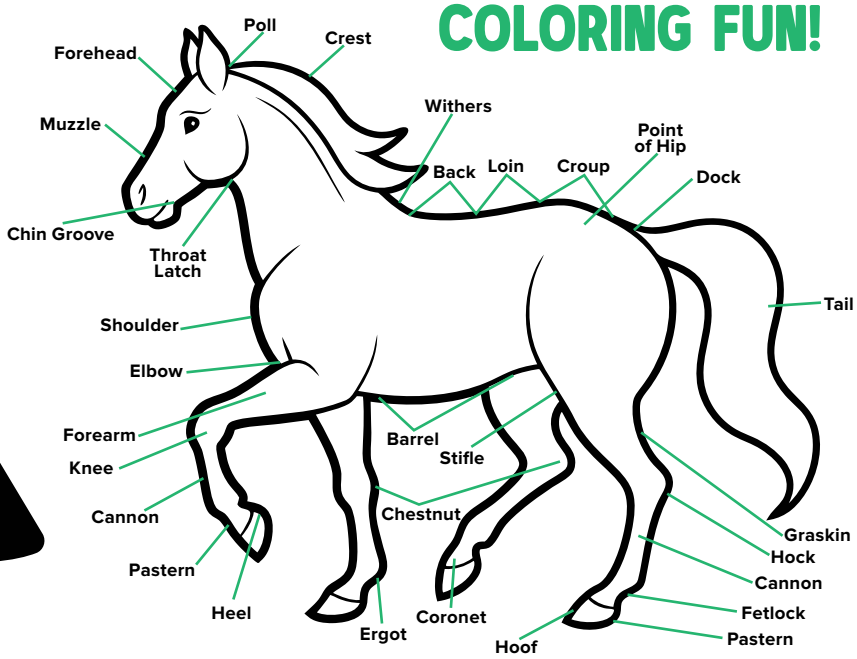
The triangular shaped area on the underside of a horse's hoof is called a "frog" & serves as a sort of shock absorber when its feet hit the ground.



HORSE ANATOMY

How much do you know about horse anatomy? With parts named withers, croup, chestnut & cannon, horses are quite different from people. How weird would it be if our elbows and knees were both on our legs?

COLORING FUN!



FLORIDA STATE FAIR

INSECT ENCOUNTER

Find the insect / butterfly display & describe what you see

_____

_____

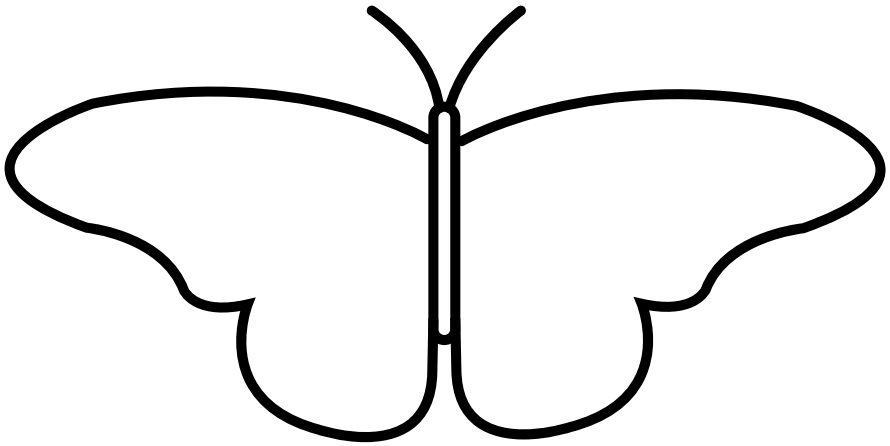
_____

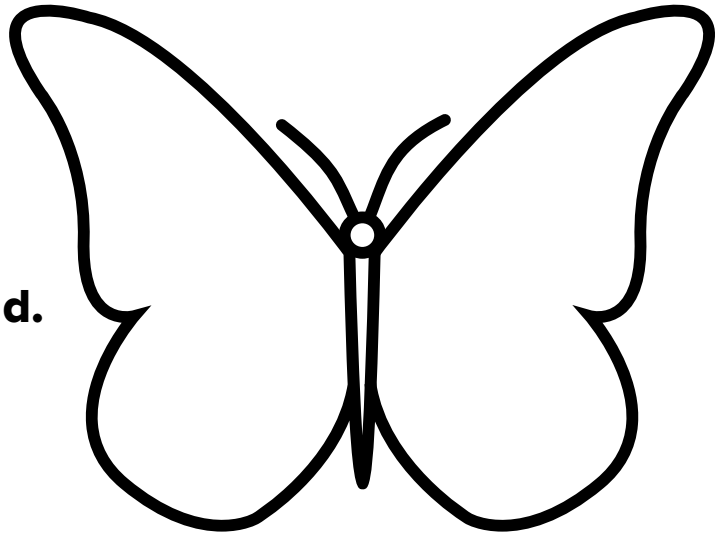
_____

List three fun facts that you learned about insects.

1. _____
2. _____
3. _____

DESIGN YOUR OWN BUTTERFLY





DID YOU KNOW?

- **Butterflies can't fly if they're cold.**
- **Butterflies taste with their feet.**
- **There are almost 20,000 species of butterfly.**
- **Butterflies have four wings,**
- **not two as you may think.**

FLORIDA STATE FAIR

LIVESTOCK BARNS

Learn About Beef Cattle

Cattle are _____ that are able to _____ into food & fiber.

_____ first chew their food to soften it, swallow it, and then return it to their mouth for continued chewing. This is called _____.

Cows will spent up to _____ hours a day Chewing their cud.

Answers:

EIGHT RUMINANT ANIMALS CHEWING THE CUD
CONVERT ROUGHAGE RUMINANTS

Learn About Pigs

Pork is the _____ consumed animal worldwide.

_____ insulin, skin & _____ are used in _____.

_____ in the U.S. convert _____ into an _____.

Answers:

ENERGY SOURCE #1 HEART VALVES PIG MANURE PIG
HUMANS PIG FARMERS

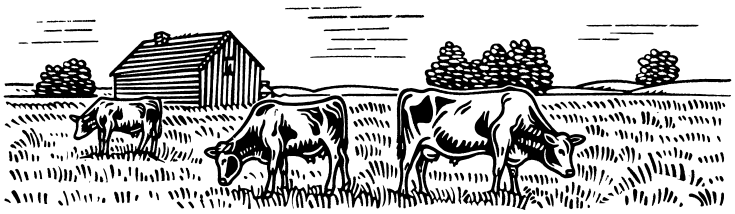
A N L C S O W H S R
L G S O H L D B C A
X I B W F Q R U A N
W Q V A D A Q L L C
S S Y E R H R L F H
X W P J S R E M C E
G M I O X T O R E R
V I G N I O O W D R
U P L J E W I C I D
L G X T H J V H K B

LIVESTOCK TERMINOLOGY WORD SEARCH

Livestock
Rancher
Farmer
Calf
Barrow
Swine
Sow
Herd
Bull
Cow
Pig
Gilt

FLORIDA STATE FAIR

MILKING DEMONSTRATION



Watch the cow milking demonstration.
Find out how many gallons of milk an average cow will produce in one day.

_____ **gallons**

One gallon = _____ **oz**

How many 8 oz glasses of milk will an average cow produce in one day?

_____

How many in one week?

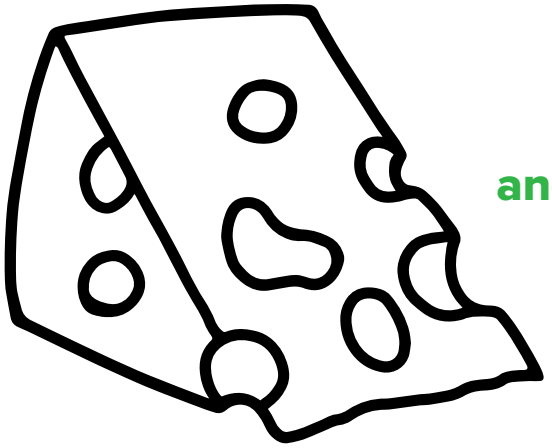
_____

How many in one year?

_____

Number the steps of the milking process in order.

_____ **Use teat dip to sanitize teats before milking**
_____ **Dry udder with towel**
_____ **Attach milk machine & milk cow**
_____ **Check milk for mastitis with a strip cup**
_____ **Clean udder & teats**
_____ **Remove milk machine**
_____ **Dip teats to seal against bacteria**

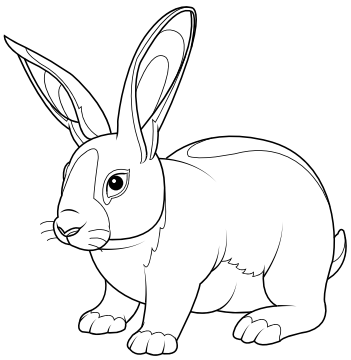


Watch video and tour a dairy farm

SCAN TO WATCH

FLORIDA STATE FAIR

POULTRY & RABBIT BARN



Does a chicken have teeth? YES NO

A male chicken over 1 year old is called a _____.

A male chicken under 1 year old is called a _____.

A female chicken over 1 year old is called a _____.

A female chicken under 1 year old is called a _____.

What is the term (word) used for all male chickens on a farm?

_____

How many days does it take a chicken egg to hatch? _____

How many days does it take a duck egg to hatch? _____

What are the two red things hanging down off the chicken's neck under the beak? _____

RABBIT NURSERY

Did you see the baby rabbits in the nursery? TRUE or FALSE

How many babies did you see and what were they doing?

_____

Eggs provide the highest quality protein you can buy?

_____

RABBIT NURSERY

The hen determines the color of the eggshell?

_____

What was your favorite breed of rabbit on display?

_____

What did the rabbits look like?

_____

AGRICULTURAL HALL OF FAME / AG SHOWCASE

Did you watch the Hologram Presentation of "Time Travel Through Florida Agriculture"?
What fun fact did you learn about the History of Florida Agriculture?

Find the Bee Booth.

What is significant about the design/shapes on the walls on the Bee booth?

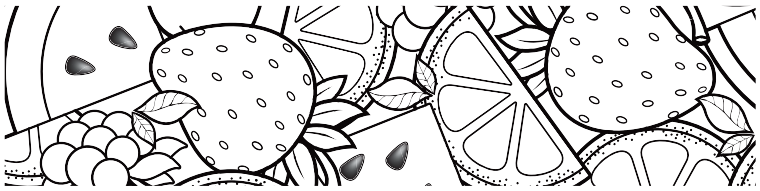
Draw the shape of a bee-hive cell.

Name the geometric shape. _____

Sample the honey & See the Queen Bee!!!!

FLORIDA STATE FAIR

AG-VENTURE



What hands-on activity did you participate in & what did you learn?

1. _____
2. _____
3. _____

Visit the Florida Produce Stand

List some of the important fruits and vegetables that are produced in Florida .

_____

_____

_____

Fresh from Florida.

Florida Produce

Seasonal Availability Calendar

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Avocado	■	■				■	■	■	■	■	■	■
Bell Pepper	■	■	■	■	■	■				■	■	■
Blackberry				■	■	■	■					
Blueberry			■	■	■	■						
Broccoli	■	■	■	■								■
Cabbage	■	■	■	■	■	■				■	■	■
Cantaloupe			■	■	■	■	■					
Carrot	■	■	■	■	■	■					■	■
Cauliflower	■	■	■	■								■
Celery	■	■	■	■	■	■	■			■	■	■
Cilantro	■	■	■	■	■						■	■
Collard Greens	■	■	■	■								■
Cucumber		■	■	■	■	■			■	■	■	■
Eggplant	■	■	■	■	■	■	■			■	■	■
Endive	■	■	■	■	■					■	■	■
Escarole	■	■	■	■	■					■	■	■
Grapefruit	■	■	■	■	■					■	■	■
Lettuce	■	■	■	■	■					■	■	■
Mango					■	■	■	■	■			
Mushroom	■	■	■	■	■	■	■	■	■	■	■	■
Orange	■	■	■	■	■	■			■	■	■	■
Peach				■	■							
Peanut								■	■	■	■	
Pineberry	■	■	■	■	■							■
Potato	■	■	■	■	■	■						■
Radish	■	■	■	■	■	■			■	■	■	■
Snap Beans	■	■	■	■	■	■				■	■	■
Spinach			■	■								
Squash	■	■	■	■	■	■			■	■	■	■
Strawberry	■	■	■	■	■							■
Sweet Corn	■	■	■	■	■	■			■	■	■	■
Tangerine	■	■	■	■	■				■	■	■	■
Tomato	■	■	■	■	■	■				■	■	■
Watermelon				■	■	■	■					

FreshFromFlorida.com

■ In Season ☐ Not In Season

List some Florida Produce that is grown during your birth month.

_____

_____

_____

_____

_____

What is your favorite Florida Produce and what month is it grown?

_____

_____

_____

_____

_____

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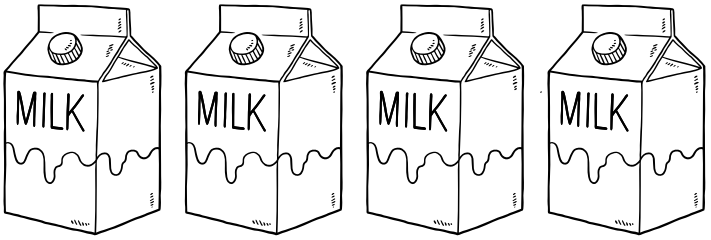
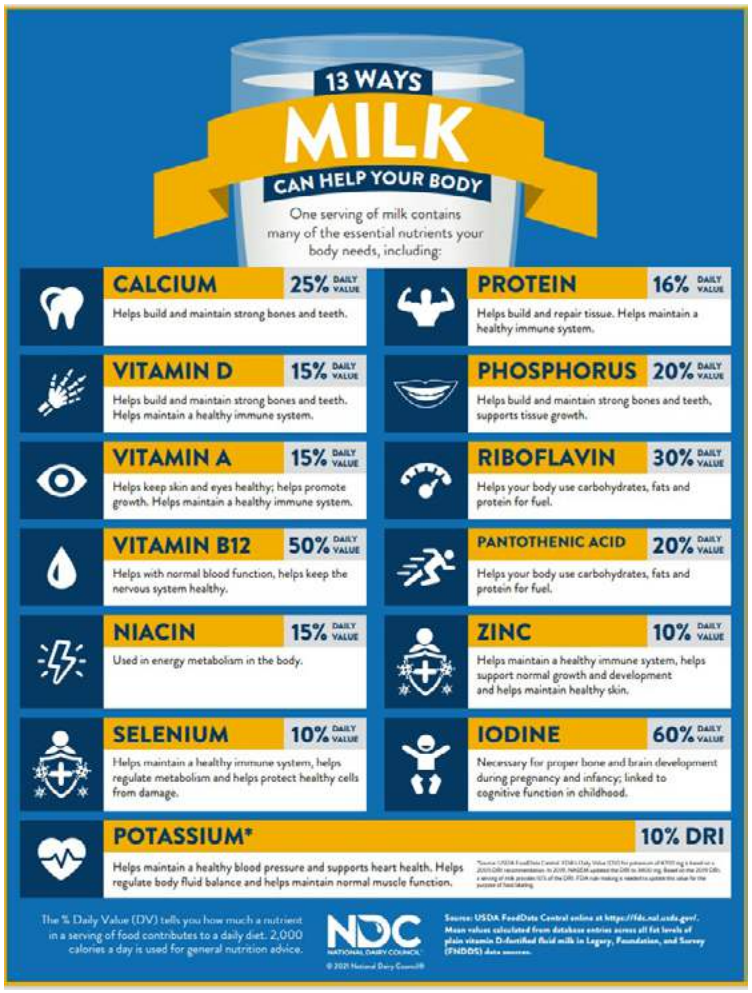
DAIRY EXHIBIT



Did you see the Dairy Exhibit with the Giant Milk Carton?

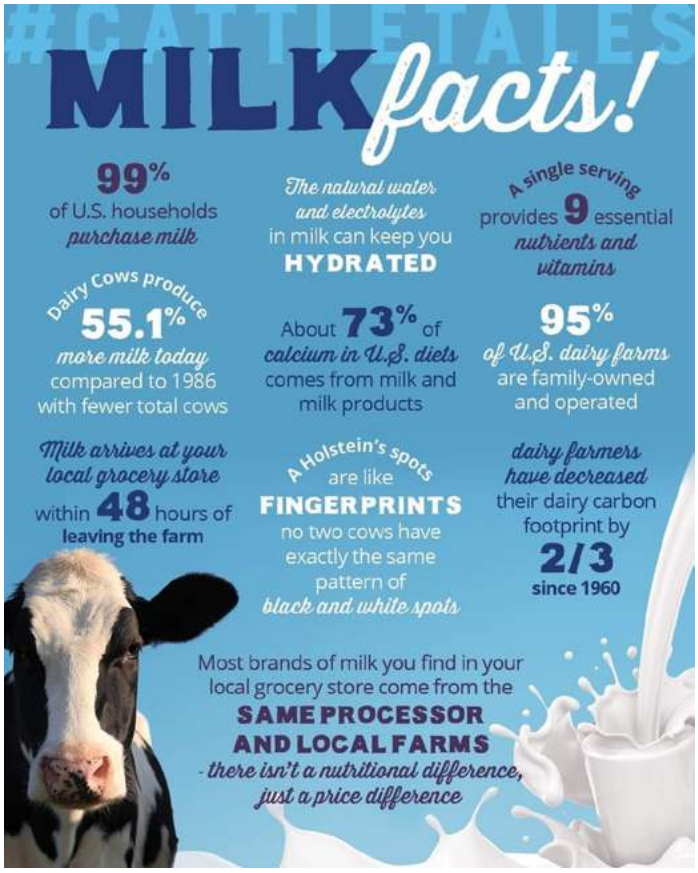


How many essential nutrients are in real milk? _____

Can you list 3 of them?

1. _____
2. _____
3. _____

Make and shake some delicious butter!

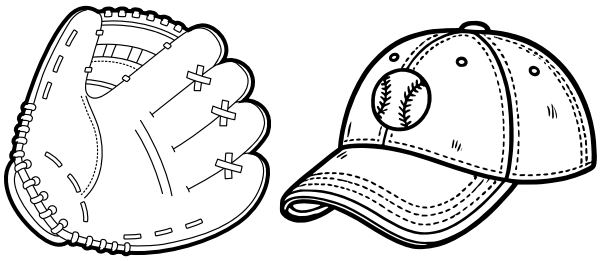


Click here for kid-friendly recipes from the Florida Dairy Farmers, Inc.

SCAN FOR RECIPES

FLORIDA STATE FAIR

LITTLE FARM HANDS



Become a farm hand and collect Agricultural products to take to the Market!!

List five Agricultural products that you picked up.

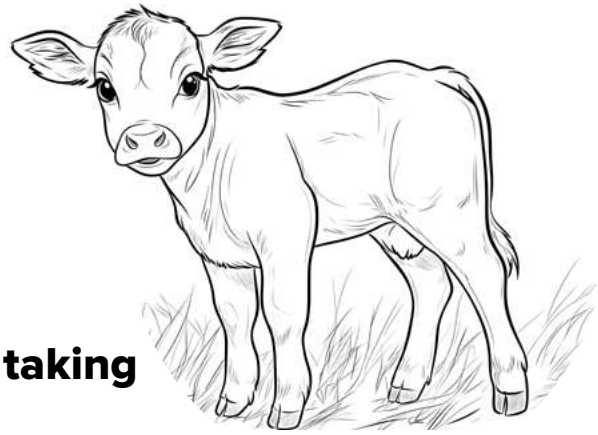
1. _____
2. _____
3. _____
4. _____
5. _____

BEEF BY-PRODUCTS

When beef cattle are processed, over 98% of the animal is used. About 40% of the animal is used for meat, and the other 60% is used for by-products.

- Leather for boots, belts, hats and furniture
- Balls, gloves, and sports equipment
- Violin strings
- Tooth and hair brushes
- Buttons
- Sandpaper
- Piano keys
- Glue
- Wallpaper
- Over 100 pharmaceutical products
- Cosmetics
- Crayons
- Pet foods
- Gelatin and marshmallows.

MOOTERNITY WARD



Did you see a new born baby calf?

What questions did you ask the Farmer taking care of the cows and calf?

1. _____
2. _____
3. _____
4. _____
5. _____

LEARN ABOUT DAIRY CATTLE

All COWS are FEMALE and YOUNG COWS are called HEIFERS. MALES are called BULLS. A HEIFER is PREGNANT for about NINE MONTHS and gives birth to a CALF. After a HEIFER gives birth, it is called a COW.

FLORIDA STATE FAIR

FLORIDA LEARNING GARDEN

What is the name of the organization that is in partnership with the Florida State Fair to develop this Garden?

_____

_____

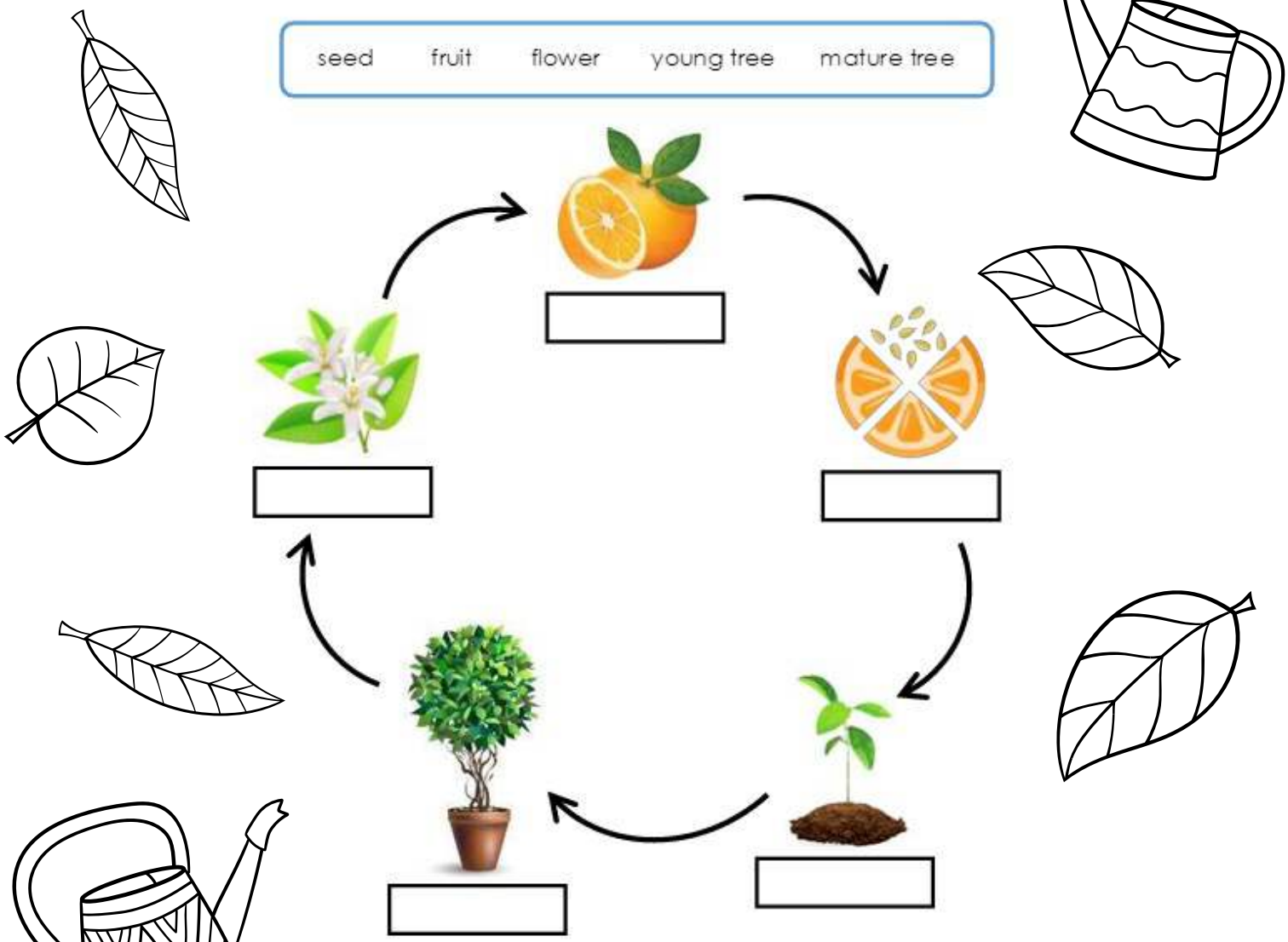
What was the name of the building you saw in the Garden?

_____

_____

Label the Orange Tree Lifecycle

seed fruit flower young tree mature tree



FLORIDA STATE FAIR

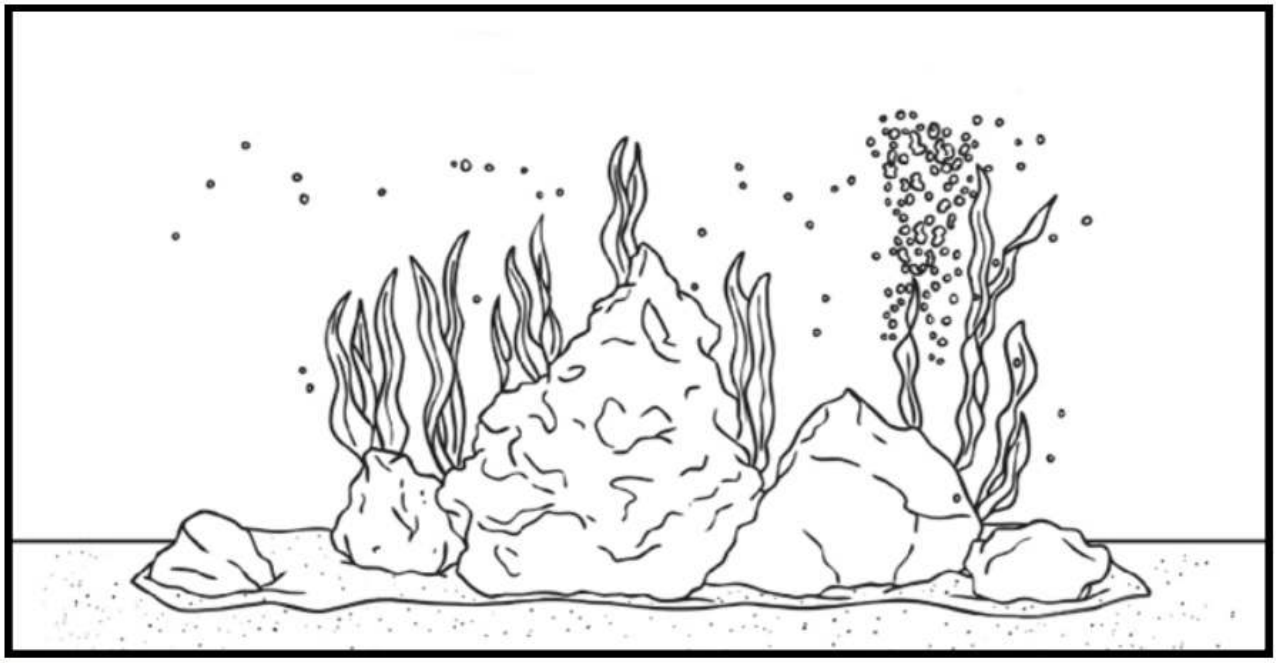
CREATIVE LIVING

Youth Fine Arts

Find a piece of art that was done by a student in Hillsborough County. Describe the piece of art and what you liked best about it.

Did you see the Aquarium Exhibit? What did you like best?

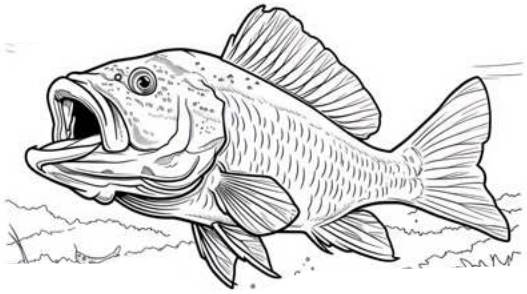
Draw some pet fish inside the tank, then color it.



Write about your fish.

FLORIDA STATE FAIR

FLORIDA FISH AND WILDLIFE

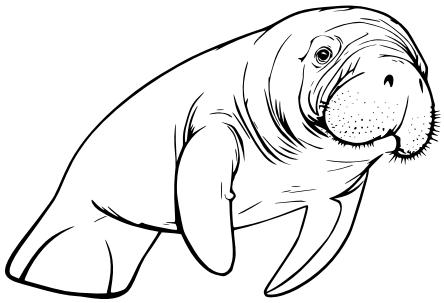


The Mission of the Florida Fish & Wildlife Conservation Commission

Managing fish and wildlife resources for their long-term well-being and the benefit of people.

What is the main reason animals may become endangered?

What interesting facts did you learn about Florida Fish and Wildlife?



LEARN MORE ABOUT FLORIDA WILDLIFE

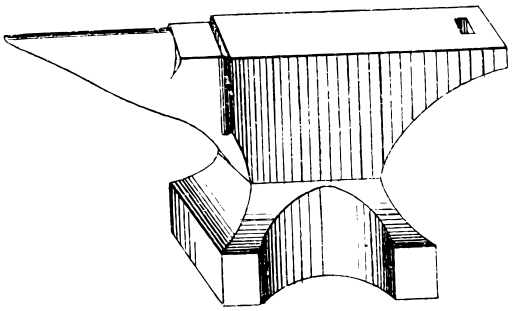
SCAN TO LEARN

- **Species diversity**
- **Florida is home to over 700 terrestrial animals, more than 200 freshwater fish, and more than 1,000 marine fish. It's the seventh-most biodiverse state in the country and has many endemic species, meaning they're only found in Florida.**

Fishing

Florida is known as the Fishing Capital of the World. It has 3 million acres of lakes, ponds, and reservoirs, plus 12,000 miles of fishable rivers, streams, and canals.

CRACKER COUNTRY



OKAHUMPKA DEPOT

Why was the depot important to early farmers?

What were the three things primarily carried by trains?

1. _____
2. _____
3. _____

Draw a message loop and describe how it was used:

BLACKSMITH SHOP

Why was the person who ran this shop called a blacksmith?

Why does the blacksmith heat the metal with which he is working?

Draw two of the tools the blacksmith used and explain what the tools were used for.

THE SCHOOLHOUSE

Draw a map of the inside of the one room school house.

How is this school different than yours?

How is this school similar?

STEAM ENGINES

Watch the steam engines in operation.

Why were steam engines used?

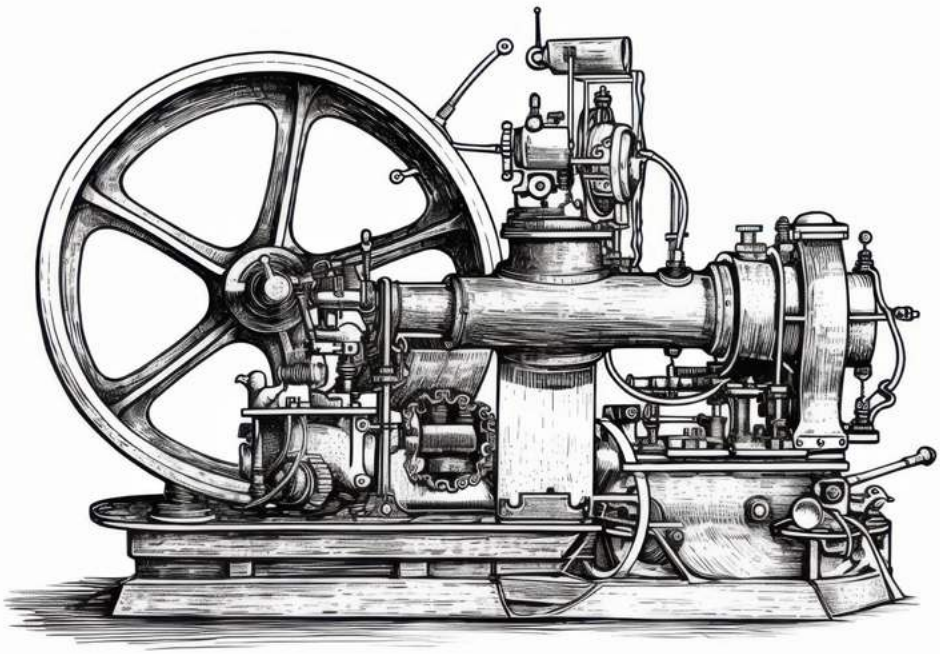
Would it be practical for us to go back to using steam engines?

Why or why not?

Looking at the steam engines, can you find an example of these simple machines?

Check the box beside the name of the simple machines you found.

- ☐ Pulley
- ☐ Fulcrum
- ☐ Lever



FLORIDA CATTLE RANCHING EXHIBIT

DID YOU KNOW?

Cattle were first introduced to North America in Florida in 1521 by Spanish explorer Juan Ponce de Leon.

Name one breed of Beef Animal that you saw

_____

When you walked through the gate entry, what was hanging on the entry? _____

What was the breed of the mounted cow? _____

Did you touch the cow hide? How did it feel?

_____

_____

What do cowboys use spurs for?

_____

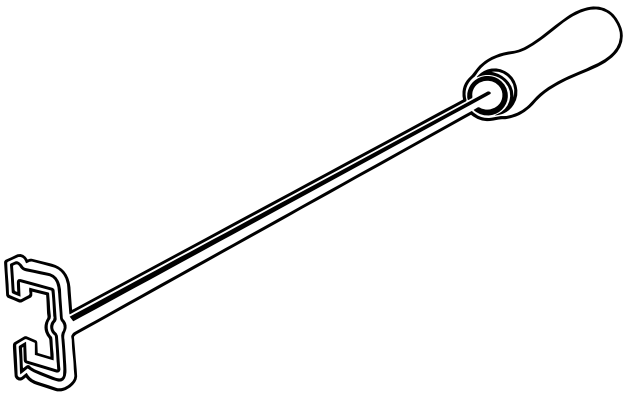
_____

Reading a Brand

Livestock branding has been going on for thousands of years, and probably longer. According to historians, an ancient Egyptian tomb painting depicting a cattle roundup and branding from 2700 BC is the earliest record of livestock branding that has been found. When cattle came across the Atlantic to our state so did cattle branding and it is a tool the Seminole Tribe continued.

So before fences weaved across the fields in Florida, ranchers continued to use brands to tell their cattle apart. Cattle roamed free and grazed big areas of land. Ranchers used letters, shapes, or pictures to mark ownership of their cattle. Today, brands are still used, but there are different ways to form a brand, hot branding, cold branding and tattoos.

Brands have their own language.



Your Turn To Practice

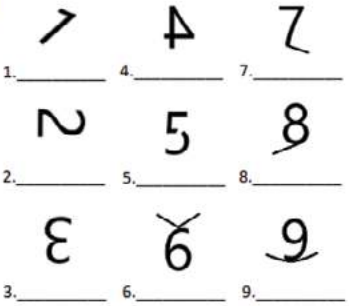
There are a few different ways to read the name of a brand:

Left to right: —BQ is read as Bar B Q

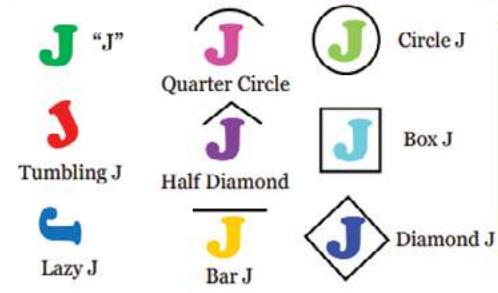
Top to Bottom: ___ ROAD read as Rail Road

Outside to inside: ER is read as Box ER

Information Courtesy of the FL State Fair Authority



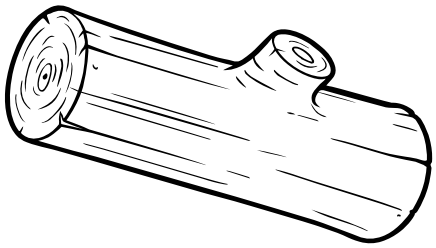
Some Parts of Brands



Create Your Own Brand

FLORIDA STATE FAIR

FLORIDA FOREST DISCOVERY CENTER



List 5 things made from trees:

1. _____
2. _____
3. _____
4. _____
5. _____

What University/College can you attend to learn to be a forester?

_____

Name 3 Florida State Forests:

1. _____
2. _____
3. _____

What is prescribed (Rx) fire and why is it important?

_____

GOODS FROM THE WOODS

DID YOU KNOW THAT TREES ARE USED IN 5000+ PRODUCTS?

Here's a small sampling of items...

Aspirin	Boxes	Cough syrup
Ice cream	Cleaning supplies	Shampoo
Skateboards	Flavorings	Dish washing liquid
Cell phones	Eyeglass frames	Orange soft drinks
Diapers	Carpet	Pine cleaners
Bug repellant	Plastic twines	Tea
Bandages	Computer casings	Rootbeer
Fishing tackle	Luggage	Chewing gum
Laundry detergent	Cellophane	Fat-free foods
Crayons	Baby food	Salad dressings
Paint	Cereal	Lip balm
Football helmets	Cork	Coated pills
Fireworks	Fabrics	Car wax
Glue	Poultry bedding	Furniture finishes
Sports drinks	Oil spill control agents	Spices
Shoe polish	Cancer drugs	Syrup
Soap	Musical Instruments	Liquid smoke
Cosmetics	Baseball bats	Turpentine
Concrete	Charcoal	Tires
Lotion	Canoe Paddles	Asphalt
Toothbrushes	Guitars	Toothpaste
Rayon	Swing sets	Hot chocolate
Fragrances	Crutches	Ping pong balls
Mulch	Sleds	Whole grain bread
Paper	Hair spray	Steering wheels
Tissue	Ink	Nuts

FLORIDA STATE FAIR