

Saginaw County Fair

Market Livestock Record Book

Name: _____

Date of Birth: _____ Age as of January 1 of current year: _____

Market Species (only select 1 for each record book)

Beef or Dairy Steer _____ Market Lambs _____ Market Swine _____

Beef or Dairy Feeder _____ Market Goat _____ Other: _____

Years in this project area (including this year): _____

Club Name: _____

Project Leader: _____

I, as the exhibitor of this project, have been personally responsible for the care of this animal, record keeping and have completed this record book truthfully and accurately. I am aware that record book may be on display during the Saginaw County Fair.

Exhibitor Signature: _____ Date: _____

I, the parent/guardian, confirm that my son/daughter has completed this project and completed this record book and will comply with all rules and regulations set forth by the Saginaw County Fair and Junior Livestock Board. I give permission for this record book to be displayed to the public and ensure all content is appropriate.

Parent/Guardian Signature: _____ Date: _____

Records begin with the possession of your animal(s) and end with fair week estimates

Record Start Date: _____ Record End Date: _____

Project Information

Name and/or ear tags/notches of animals: _____

Breed: _____

Description of animals: _____

Estimated Date of Birth of Animals: _____

Date of ownership/purchase date: _____

Estimated beginning value of animals or purchase price: _____

How was your project animals obtained?

_____ Purchased my project

_____ Project animals are homegrown (bred and owned from my family farm)

_____ Other - please

explain: _____

Parent comments (optional): _____

Leader comments (optional): _____

Beginning Project Picture

Attach at least one picture of you with your project animal (more beginning pictures may be included on this page). **Include a caption describing what is happening in the photo.**

Date photo was taken: _____

This year's project goals:

Complete this page at the beginning of your project (prior to getting your animals or within the first few weeks.)

Date this page was completed: _____

Please explain three goals you have for your project this year

Goal 1 - _____

Goal 2 - _____

Goal 3 - _____

Please list **3** potential buyers you plan to approach this year **and** how you plan to contact them.

Buyer 1 - _____

Buyer 2 - _____

Buyer 3 - _____

Please attach a copy of your buyer letter and/or any other promotional material you used to contact your buyers. Attach the letter at the end of the record book.

Feeding Your Project

Please answer the following questions about the feed you used for your project. If you used more than one feed, select one type of feed.

1. List all the feeds you used for your project. Be sure to include the brand name of the feed if applicable.

2. Where was your feed purchased?

3. Select one grain/feed to answer the following questions. Use the feed tag to answer the following questions. Please attach a feed tag to the next page. If the feed used was a mix/grist from the feed mill, please attach a copy of the feed mix and ask the feed mill for the following information about your feed.

- a. What is the protein % of the feed? _____
- b. How much fat did this feed contain? _____
- c. How much fiber did this feed contain? _____
- d. What type/age of animal was this feed intended for? _____

- e. Who manufactured this feed? _____

4. Describe your feeding program. How many pounds of each feed did you feed each day? How did you change to your feed program during your project?

5. Was your feed medicated? _____ If yes, answer the following questions below.

- a. What was the name of the medication? _____
- b. What is the purpose of this medication? _____
- c. What is the withdrawal period? _____

6. Why is following the withdrawal period important when raising livestock?

7. Water is the most important nutrient in your animal's diet. Why is clean, fresh water so important? (hint: look up what water does for the body)

My Feed Tag – attach a copy of your feed tag or grist information below (ask your feed mill for help with your feed mix if it is made at the mill)

Animal Care and Management

List the things you did to take care of your project animal(s)

Include the following:

- Feeding, watering/chore practices
- Grooming (clipping, trimming, ect.)
- Health practices and medicines (deworming, fly sprays, sanitation,ect)
- General management (cleaning pens, ect.)
- Training/working with animals (walking, halter breaking, ect.)
- Any other work you did with your project animals

Daily – Things done one or twice each day

Weekly – Things done one or twice a week

Monthly – things done once a month

Yearly – Things done one time a year or occasionally throughout the year

Project Information

**The start of the project will be the date the you placed the animal(s) on feed.*

The end of the project will be the weigh-in at the fair. (Your records may entire all the animals purchased, not just the ones going to the fair. Example: You purchased 3 pigs so you had 1 extra. You may include information for the extra pig too!)

Project Start Date: _____

Project End Date: _____

Tag Number, Name, or Ear Notch	Breed and Species	Gender	Date of Purchase	Price Paid or Value if Homegrown	Estimated Starting Weight	Ending Weight (at fair weigh in)	Total Pounds Gained
				\$	lbs.	lbs.	lbs.
				\$	lbs.	lbs.	lbs.
				\$	lbs.	lbs.	lbs.
				\$	lbs.	lbs.	lbs.

Total Spent on project animals (of this species) \$ _____

Tag Number, Name, or Ear Notch	Date of Beginning Weight	Beginning Weight	Date of Final Weight	Final Weight (at fair weigh in)	Total pounds of gain	Days on Feed	Average Daily Gain

$$\frac{\text{_____}}{\text{_____}} = \text{_____}$$

Total lbs of gain ÷ Days on Feed = Average Daily Gain

Feed Expenses – Hogs and Sheep

How many project animals are reflected in this table? _____

**Be sure to include the feed for all the animals you listed on the previous page*

Month	Type of feed used Include the name of the feed as listed on the feed tag or name of feed mix	Pounds of feed used for the month	Cost of feed used for the month
April			\$
May			\$
June			\$
July			\$

Total Feed Cost \$ _____

Other Project Expenses – Hogs and Sheep

Item	April	May	June	July
Veterinary Fees	\$	\$	\$	\$
Fair Entry Fees	\$	\$	\$	\$
Bedding (straw, shavings, ect.)	\$	\$	\$	\$
Any other Expenses *please list	\$	\$	\$	\$
Monthly Totals	\$	\$	\$	\$

**other expenses could include fitting and show supplies, housing, transportation*

Total Other Project Expenses \$ _____

Feed Expenses – Beef

(including Dairy Steers and Beef & Dairy Feeders)

Item	Oct/Nov	Dec	Jan	Feb	March	April	May	June	July
Type of Feed Used Include the name of the feed as listed on the feed tag or name of feed mix									
Pounds of feed used for the month									
Cost of feed used for the month	\$	\$	\$	\$	\$	\$	\$	\$	\$

Total Feed Cost \$ _____

Other Expenses – Beef

(including Dairy Steers and Beef & Dairy Feeders)

Item	Oct/Nov	Dec	Jan	Feb	March	April	May	June	July
Vet Fees	\$	\$	\$	\$	\$	\$	\$	\$	\$
Fair Fees	\$	\$	\$	\$	\$	\$	\$	\$	\$
Straw (Bedding)	\$	\$	\$	\$	\$	\$	\$	\$	\$
Any other Expenses *please list	\$	\$	\$	\$	\$	\$	\$	\$	\$
Monthly Total	\$	\$	\$	\$	\$	\$	\$	\$	\$

*other expenses could include fitting and show supplies, housing, transportation

Total Other Project Expenses \$ _____

Project Financial Summary

Current Market price at the stock yard: _____ (indicate if per pound or per hundred)
 Which stock yard did you check? _____ Date recorded: _____

Estimated Project Income if animals sold at the stock yards:
 Total weight of animal(s) _____ x current market price \$ _____ = _____

Estimated Project Income from the Junior Livestock Auction at the Saginaw County Fair
 Total weight of animal(s) _____ x estimated sale price \$ _____ = _____

2017 SCF Sale Information – Average weight and Average Price per Pound listed	
Lambs – 120lbs, \$3.27/lb	Hogs – 244lbs, \$2.59/lb
Steers – 1248lbs, \$1.95/lb	Feeder Calves – 537, \$2.10/lb

Purchase Price of animal(s) or value of homegrown animals (use value as recorded on page 2)	
Total feed costs for project animals (use total feed costs from page 8 or 9)	
Total other expenses for project animals (use total costs from page 8 or 9)	
Total Expenses for project animal(s)	

Breakeven Price

Total expenses \$ _____ ÷ Total final animal weights _____ = \$ _____

Breakeven price per pound to cover expenses

Financial Reflection

If you sold your animal at the stockyards would you make any profit? Please explain.

Do you anticipate making any profit selling your project through the Junior Livestock Auction at the Saginaw County Fair? Please explain.

Why do you think there is such a difference in the price you receive from the stockyards when compared to the Livestock Auction at the fair?

If you anticipate making a profit from the fair, what things did you do with your project to help you make a profit?

If you anticipate losing money on your project when you sell your project at the fair, what things could you do differently next year to change that?

Project Reflection

1. What did you learn from your project this year?

2. When you selected or picked your animal, what were you looking for? How/why did you select the animal(s) you had for your project this year?

3. What strategies did you use throughout your project to keep your animal(s) healthy?

4. List one thing that went well this year. Please explain why it went well and how it helped you with your project.

5. List one thing that you could improve on in the future. Explain how you will improve it.

6. Select one goal from page 2. What goal did you select? _____ (number)
Did you accomplish that goal? Please explain.

Ending Project Pictures

Please include a picture or several pictures of you with your animal. Please include captions describing what is happening in each picture.

Additional Project Information

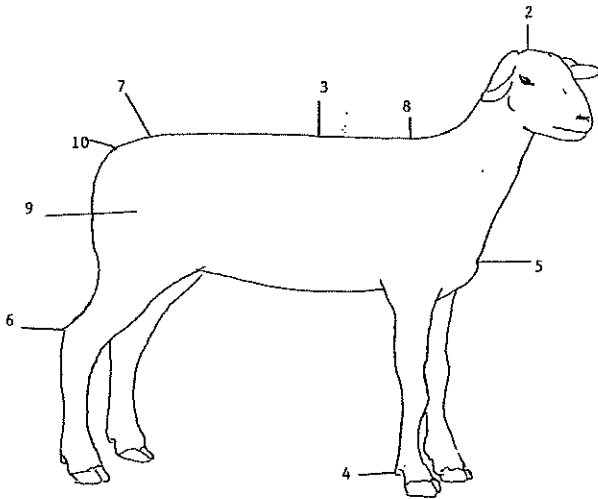
Please add any additional information or picture to support your project this year.

Project Knowledge:

9-11 year olds to complete (lamb members)

Parts of the lamb

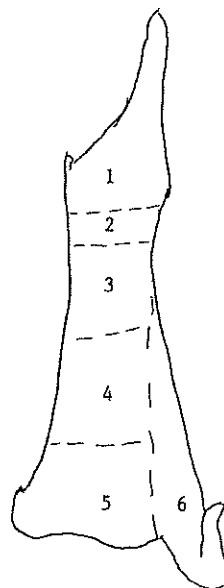
Fill in the number that matches the part of the lamb listed below.



- Dock _____
- Breast _____
- Loin _____
- Shoulder _____
- Dewclaw _____
- Hock _____
- Hip _____
- Poll _____
- Leg of Lamb _____

Fill in the name of the six (6) numbered cuts of lamb in the spaces provided below:

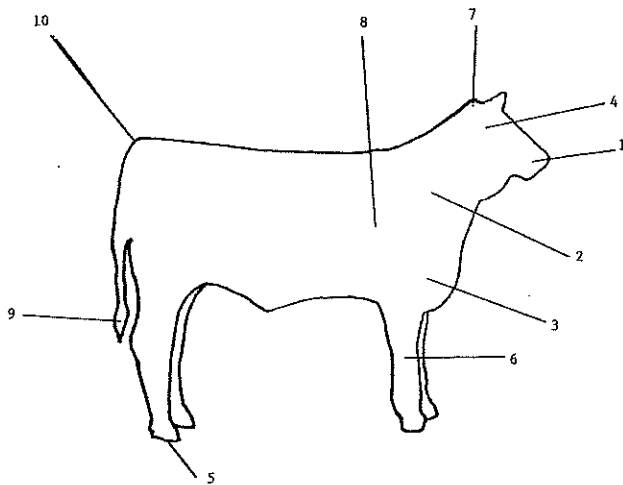
- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____



Project Knowledge:

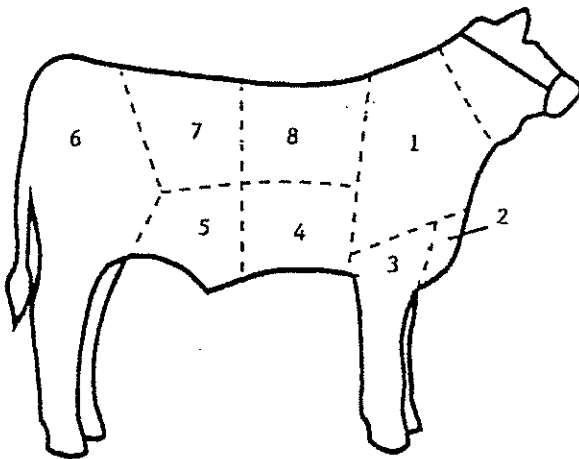
9-11 year olds to complete (beef members)

Steer Parts: Fill in the number that matches the part of the steer listed below.



- _____ Brisket
- _____ Hoof
- _____ Knee
- _____ Muzzle
- _____ Face
- _____ Neck
- _____ Poll
- _____ Ribs
- _____ Switch
- _____ Tail Head

Fill in the name of the (8) eight numbered cuts of beef in the spaces provided below.

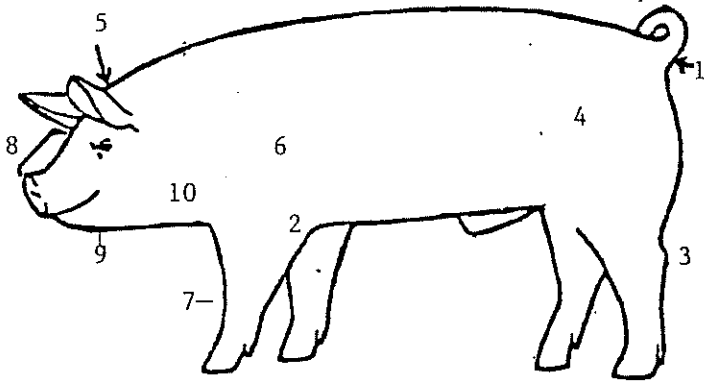


1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

Project Knowledge:

9-11 year olds to complete (hog members)

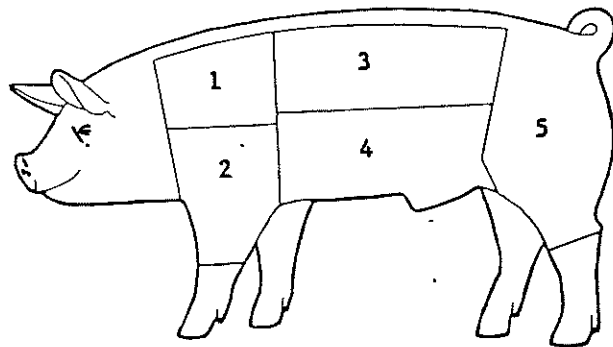
A. Parts of the Hog - Fill in the number that matches the part of the hog listed below.



- Elbow _____
- Face _____
- Hock _____
- Knee _____
- Neck _____
- Poll _____
- Shoulder _____
- Tail Setting _____
- Ham _____
- Jowl _____

Fill in the names of the five (5) numbered cuts of pork in the spaces provided below:

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



Project Knowledge:

9-11 year olds to complete (all species)

1. What usual chores do you have to do each day with your animal/s?

2. What is biosecurity?

3. It is very important to exercise your animal/s each day. What do you do to exercise your animal/s and what equipment do you use to get this done?

4. List 3 *cuts of meat* you can buy at your grocery store?

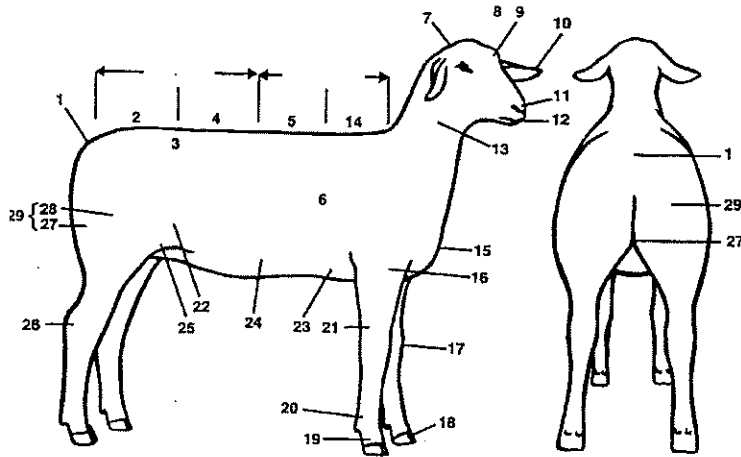
5. What is the present market price of your animal during this year's fair time per pound? \$_____ per pound

6. What are two plants grown for the purpose of making animal foods?

7. Water is very important for your animal, why is it so important and how much water does your animal drink each day?

Project Knowledge: 12-19 year olds to complete (lamb members)

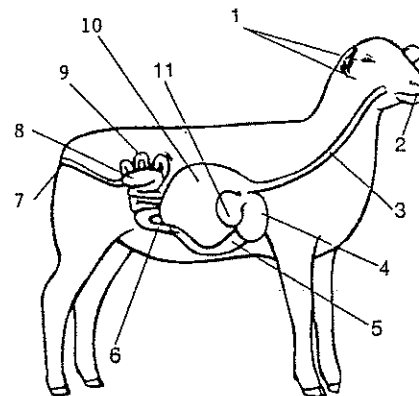
Parts of the Lamb: Fill in the number that matches the part of the lamb.



- | | | |
|----------------------------|--------------------------------|------------------|
| _____ 13 th Rib | _____ Breast, Chest or Brisket | _____ Dew Claws |
| _____ Dock | _____ Ear | _____ Eye |
| _____ Face | _____ Fore Arm | _____ Fore Flank |
| _____ Fore Shank | _____ Forehead | _____ Hip Bone |
| _____ Hock | _____ Hoof | _____ Jaw |
| _____ Leg | _____ Loin | _____ Mouth |
| _____ Neck | _____ Nostril | _____ Poll |
| _____ Rack | _____ Rear Flank | _____ Rear Shank |
| _____ Rump | _____ Saddle | _____ Shoulder |
| _____ Stifle | _____ Underline or Belly | |

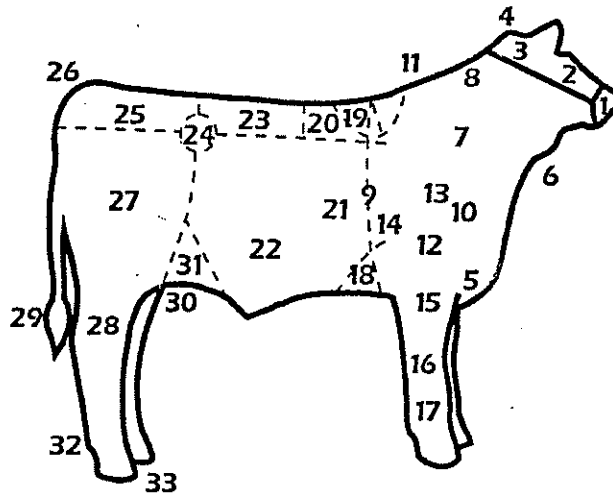
Fill in the names of the eleven (11) numbered parts of the *sheep's digestive system* in the spaces provided below:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____



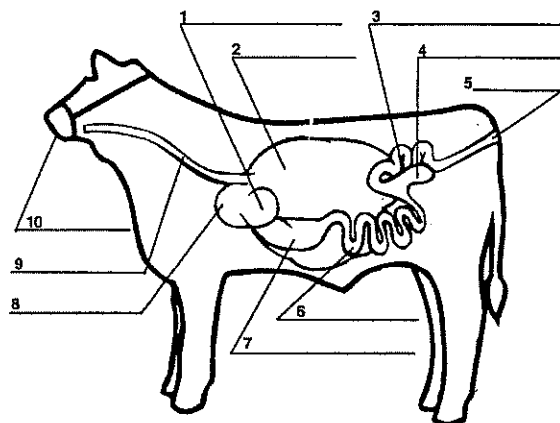
Project Knowledge: 12-19 year olds to complete (beef members)

Steer Parts: Fill in the number that matches the part of the steer.



- | | | |
|------------------|------------------------------|-------------------------|
| _____ Arm | _____ Forehead | _____ Point of Shoulder |
| _____ Back | _____ Fore rib (heart girth) | _____ Poll |
| _____ Brisket | _____ Hind flank | _____ Ribs |
| _____ Cod | _____ Hock | _____ Round |
| _____ Crest | _____ Hoof | _____ Rump |
| _____ Crops | _____ Hook Bone | _____ Shank |
| _____ Dew Claw | _____ Knee | _____ Shoulder |
| _____ Dewlap | _____ Loin | _____ Shoulder vein |
| _____ Elbow | _____ Muzzle | _____ Switch |
| _____ Face | _____ Neck | _____ Tail head |
| _____ Fore flank | _____ Paunch or belly | _____ Top of shoulder |

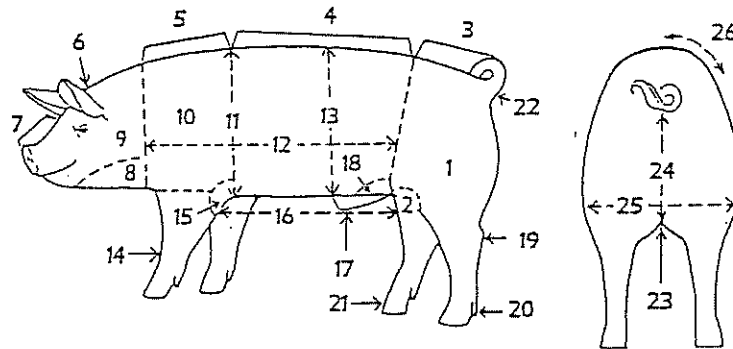
Match the number to the name of the steers' digestive system.



- | |
|-----------------------|
| _____ Cecum |
| _____ Abomasum |
| _____ Anus |
| _____ Esophagus |
| _____ Large Intestine |
| _____ Mouth |
| _____ Omasum |
| _____ Reticulum |
| _____ Rumen |
| _____ Small Intestine |

Project Knowledge: 12-19 year olds to complete (hog members)

Parts of the Hog: Fill in the number that matches the part of the hog.



- | | |
|-------------------------------|----------------------------|
| _____ depth of seam or crotch | _____ pastern |
| _____ depth of side | _____ poll |
| _____ dew claw | _____ rear flank |
| _____ elbow | _____ rump |
| _____ face | _____ seam or crotch |
| _____ ham | _____ sheath |
| _____ heart girth | _____ shoulder |
| _____ hock | _____ shoulders |
| _____ jowl | _____ stifle region of ham |
| _____ knee | _____ tail setting |
| _____ length of side | _____ turn over loin edge |
| _____ loin | _____ underline |
| _____ neck | _____ width of stifle |

Define the terms

Amino Acid	
Fat Soluble Vitamin	
Lysine	
Grower-Finisher Diet	
Water Soluble Vitamin	

Project Knowledge: 12 to 14 year olds to complete (all species)

1. Is your animal considered a ruminant animal? What does that mean?
2. How do you practice biosecurity on your farm?
3. What is proper showing etiquette and how do you show good sportsmanship in the show arena?
4. Identify 3 animal by-products you use in your home? (choose new ones each year).
5. What happens to the market price of crops during a drought year? How does this affect the cost of your animals' market price?
6. What is the present market price of your animal during this year's fair time per pound?
\$ _____ per pound
7. Name and describe two jobs that you could do that involves animals when you are done with 4-H?

Project Knowledge 15 to 19 year olds to complete (all species)

List the names and treatment of two (2) internal parasites. (find 2 different each year)

Parasite Name	Treatment
a. _____	_____
b. _____	_____

List the names and treatment of two (2) external parasites. (find 2 different each year)

a. _____	_____
b. _____	_____

What are some characteristics that the judge looks for when your animal is being evaluated and judged?

Explain how each of the 4 stomach chambers digests food in a ruminant animal?

Choose a different breed each year and list that breeds strengths and characteristics.

What vitamins and minerals are necessary for your animals' good health?

How do you make sure your animal is safe when it is being transported?

When raising animals, what do you do to make sure you are being a "Good Neighbor"?

Project Knowledge **15 to 19 year olds to complete (lamb members)**

Match the correct number of the disease to the blank by the symptom.

Sheep Diseases and Illness	Disease Symptoms
1. Enterotoxemia	___ A. Cold, listless lamb
2. Foot Rot	___ B. Rectum hangs out
3. Dystocia	___ C. Difficult birth
4. Ketosis	___ D. Thin listless lamb
5. Mastitis	___ E. Stiff joints, no appetite
6. Hypothermia	___ F. Sudden death of a healthy lamb
7. Starvation	___ G. Hot swollen udder
8. Entropion	___ H. Straining as lamb tries to urinate
9. Sore mouth	___ I. Weeping eye in newborn lamb
10. Pneumonia	___ J. Scabs around mouth or teats
11. Tetanus	___ K. Listless lamb with trouble breathing
12. White muscle disease	___ L. Stiff muscles, hunched back
13. Urinary Calculi	___ M. Listless ewe-late gestation
14. Rectal prolapse	___ N. Lameness-no swelling

Project Knowledge

15 to 19 year olds to complete (hog members)

Match the correct number of the disease to the blank by the symptom.

Hog Diseases and Illness

1. E. Coli (baby pig scours)
2. Baby pig anemia (iron deficiency)
3. Lactation failure
4. Parvovirus
5. Swine dysentery
6. TGE (Transmissible Gastroenteritis)
7. Atrophic Rhinitis
8. Brucellosis
9. Leptospirosis
10. Pseudorabies

Disease Symptoms

- _____ A. Poor conception rate, Re-absorbed litter, mummies and small litters.
- _____ B. 1 to 8 day-old pigs, watery diarrhea, high death rate, vomiting.
- _____ C. Watery, yellowish diarrhea, wet tail.
- _____ D. No energy, sleepy, rough hair coat, wrinkled skin, hard breathing, poor growth.
- _____ E. Infertility, abortions 15 days after breeding.
- _____ F. Infection of the mammary gland, udder hard and hot to touch, off feed.
- _____ G. Diarrhea containing blood and mucus, off feed, death in pigs under three weeks.
- _____ H. Sneezing, tearing of eyes, snorting, coughing, twisting of nose (crooked).
- _____ I. Reproductive disease causing abortions, mummies and weak pigs.
- _____ J. A highly contagious swine disease caused by a virus; fever is a major sign of this disease, followed by loss of appetite, labored breathing, vomiting and trembling.

Project Knowledge 15 to 19 year olds to complete (beef members)

Match the correct number of the disease to the blank by the symptom.

Beef Diseases and Illness

1. Warts
2. Ringworm
3. Laminitis
4. Acidosis
5. Bloat
6. Diarrhea (scours)
7. Pneumonia
8. Milk Fever
9. Foot Rot
10. Twisted Stomach

Disease Symptoms

- _____ A. This is a lameness in cattle where the lamina hoof wall and sole become very sore. Overgrown and malformed hooves often result.
- _____ B. A swelling on the left side of the animal will occur. The excess gas is built up in the rumen and gas bubbles form and expand the rumen contents and interfere with nerves that control the opening into the esophagus.
- _____ C. Rapid, difficult breathing, cough, runny nose and eyes. Fever 103 to 106.
- _____ D. Fourth compartment of the stomach moves in the body cavity and twists preventing passage of feed. Limited passage of feces.
- _____ E. An infectious viral disease sometimes seen in young cattle.
- _____ F. Caused by bacteria. This disease normally occurs when cattle have access to stagnant water holes.
- _____ G. There is a break in the skin and the organism infects the wound.
- _____ H. Caused by a sudden shortage of blood calcium. Often occurs shortly after calving.
- _____ I. A contagious skin disease of cattle, that are 1 to 2 inches in diameter where hair is lost and a slightly raised crustiness appears.
- _____ J. This is a diet-related disease caused by a sudden increase in consumption of concentrated feeds. The feed contains a large amount of fermentable carbohydrates.
- _____ K. Watery feces, fever, sunken eyes.