



Livestock Record Keeping Journal Steers, Lambs, Hogs (all ages)

Name: _____ 4-H Age _____

Address: _____

Street

City

State

Zip

Name of 4-H Club: _____

Project Leader Name: _____ Years in project: _____

Market journals are required for all market livestock entries of beef, lambs and hogs. Market Journals must be presented by the exhibitor for judging at the fair during Non-Livestock judging. Failure to turn in Market Journal for judging will disqualify market animals from participating in the Barry County Fair. In the event of extenuating circumstances, another 4-H member may present the journal for judging - this will result in a lower award.

This record is a part of your **4-H Market Livestock Project** work. By keeping records up-to-date you will be able to see how much progress you make as you set goals and work to accomplish them. Write neatly and clearly. Your journal should be displayed in a hard cover notebook that contains each year's journals from the time you started exhibiting the 4-H market project. You may remove pages from this packet not directly required for your specie or age. Feel free to add extra pages where needed (pictures).

Project Pictures

- ✓ ***Pictures are a required part of this Journal.*** Taking pictures of your project animal(s) throughout the project will indicate how your animal(s) have grown and developed.
- ✓ Remember, pictures are nicer when the 4-H'er is in the picture. **Add pictures to your journal on a separate piece of paper.** 😊

Information taken from the following sources: *Your 4-H Market Beef, Lamb, Hog Project, 4-H Skills for Life Beef, Sheep, Hog Series; Beef, Sheep, Swine Learning Lab Kit.*

The Livestock Notebook Committee encourages 4-H Leader & parent assistance; however, members should do their own work. If you have questions call the Superintendent for Youth Livestock Notebooks, Posters & Educational Displays listed in the fair book or the Extension Office 269-945-1388.

Adopted by 4-H Livestock Developmental Committee 9/2018

Project Information

The start of the project will be the date the exhibitor placed the animal (*all species*) on feed.

The end of the project will be the weigh-in at fair. (Your journal figures can include all animals purchased, not just the ones that actually go to fair).

Project Start Date _____ Project End Date _____

What month were your animals born? _____

Please fill in the following information about your animal(s)

Ear Tag Number	Breed	Gender of Animal(s)	Date of Purchase	Price or Value	Estimated Starting Weight	Estimated Ending Weight	Total Pounds Gained
				\$	lbs.	lbs.	lbs.
				\$	lbs.	lbs.	lbs.
				\$	lbs.	lbs.	lbs.
				\$	lbs.	lbs.	lbs.

Note: Total pounds gained = ending weight - starting weight

Total spent on project animals \$ _____

Weight Record (for intermediate and seniors only)

Identification of animals	Date of Beginning Weight	Beginning Weight	Date of Final Weight	Estimated Final Weight	Estimated Total lbs of gain	Days on Feed	Estimated Average Daily Gain

$$\frac{\text{Total lbs. of gain}}{\text{Days on Feed}} = \text{Average daily gain}$$

Hog and Sheep Monthly Feed Record & Expenses (all ages)

Month	Type of feed used - What are the ingredients (not just % of protein).	lbs. of feed used for the month	Cost of feed used for the month
April			
May			
June			
July			

Total cost of the feed _____

Hog and Sheep Expenses other than Feed (all ages)

Items	April	May	June	July
Veterinary Fees				
Fair Fees (manure & Ins)				
Any other expenses* (please list)				
Monthly Totals \$				

*Any other expenses could include fitting and showing supplies, housing, bedding, shearing etc.

Total expenses other than feed _____

Beef Monthly Feed Record & Expenses (all ages)

Items	Nov	Dec	Jan	Feb	March	April	May	June	July
Type of feed used - What are the ingredients (not just % of protein)									
lbs. of feed used For the month									
Cost of feed used for the month									

Total Cost of the Feed \$ _____

Beef Expenses other than Feed (all ages)

Items	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Veterinary Fees									
Fair Fees (manure & Ins)									
Any other expenses* (please list)									
Monthly Totals \$									

*Any other expenses could include fitting and showing supplies, housing, etc.

Total Expenses other than Feed _____

Financial Summary (all species)

Income and Sale Price at Close of Record

What price do you feel your animal(s)
are worth per pound on sale day?
(include fair animals and extra animals)

Estimated
(pre-sale)

Actual
(after-sale)

Animals Weight x *Price per pound* = \$_____ \$_____

Expenses and Purchase Price or Market Value

Purchase price or value of all animals at start of record (actual) \$_____

Feed costs (actual) \$_____

Other expenses (actual) \$_____

Total income minus total expenses = ***Net Profit or Loss***

Estimated

Actual

\$_____ \$_____

Project Pictures

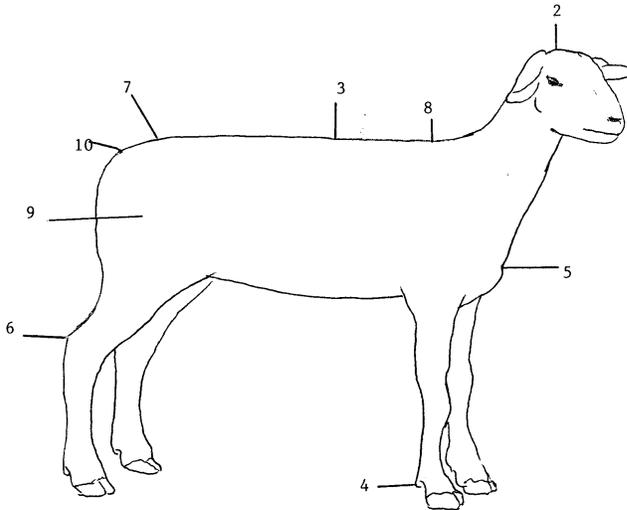
- ✓ ***Pictures are a required part of this Journal.*** Taking pictures of your project animal(s) throughout the project will indicate how your animal(s) have grown and developed.
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Project Knowledge:

9-11 year olds to complete (lamb members)

Parts of the lamb

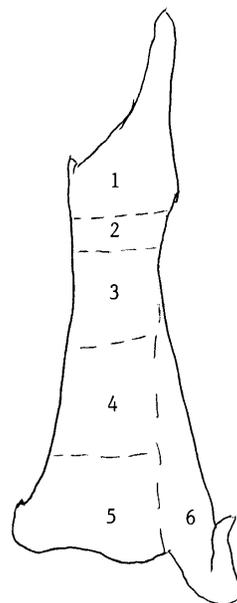
Fill in the number that matches the part of the lamb listed below.



- 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:

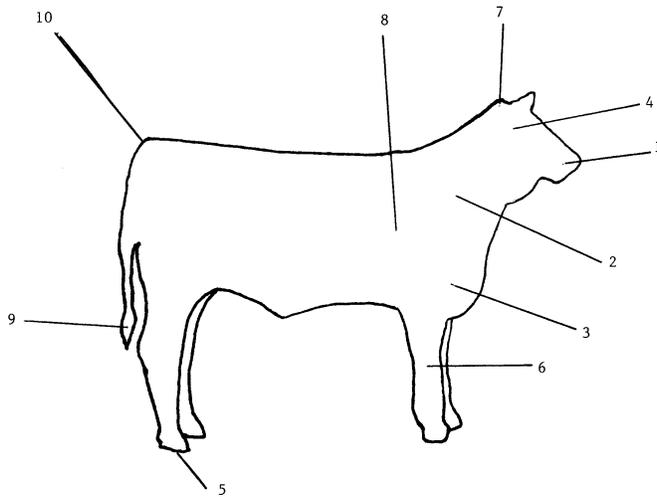
- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____



Project Knowledge:

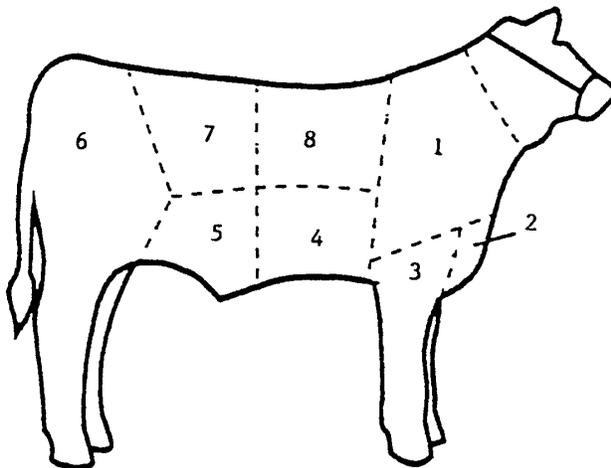
9-11 year olds to complete (beef members)

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.

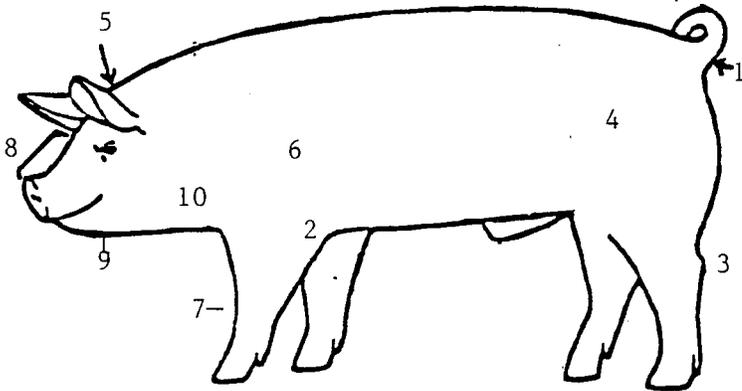


- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____

Project Knowledge:

9-11 year olds to complete (hog members)

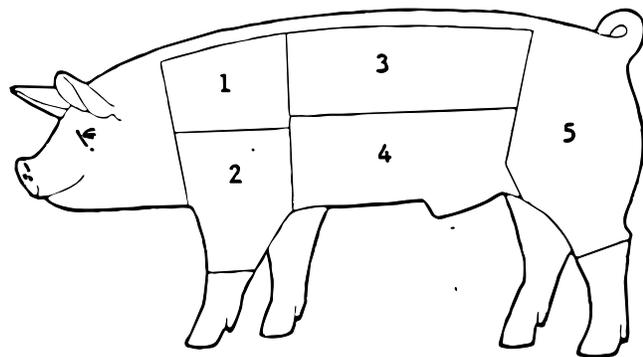
A. Parts of the Hog - Fill in the number that matches the part of the hog listed below.



- 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?

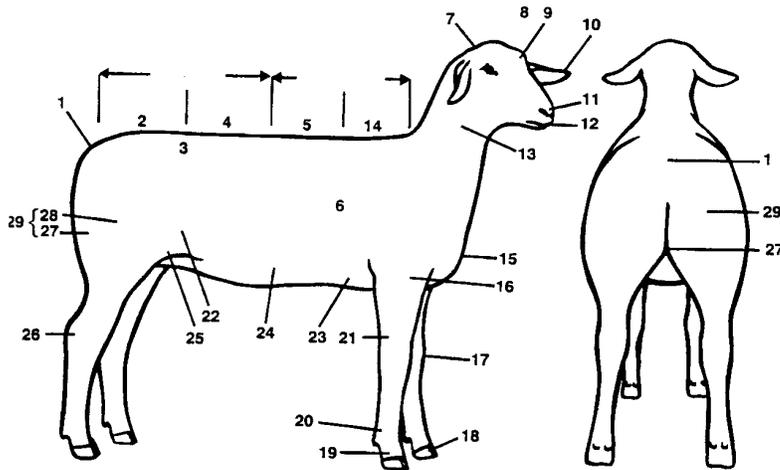
7. Water is very important for your animal, why is it so important and how much water does your animal drink each day?

Project Pictures

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

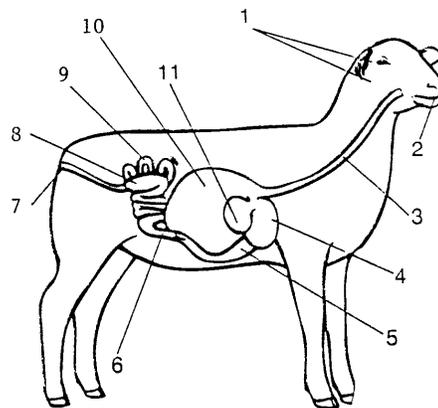
Parts of the Lamb: Fill in the number that matches the part of the lamb.



- | | | |
|----------------------------|--------------------------------|------------------|
| _____ 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 | |

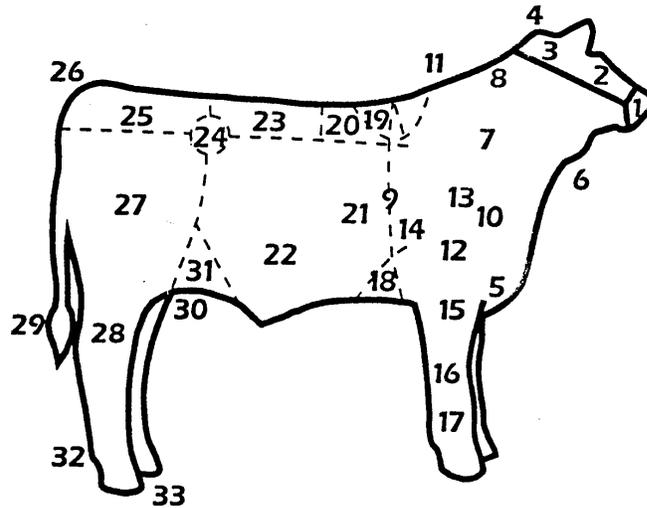
Fill in the names of the eleven (11) numbered parts of the *sheep's digestive system* in the spaces provided below:

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



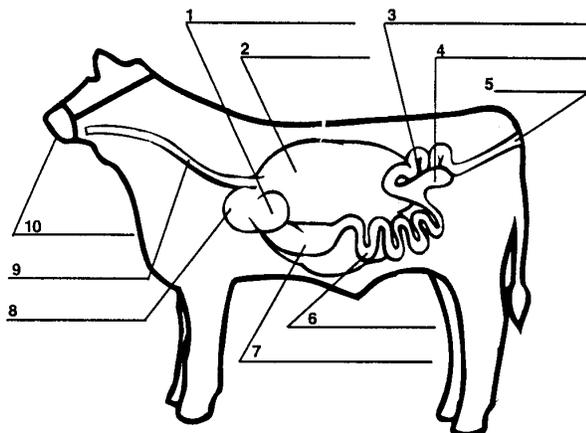
Project Knowledge: 12-19 year olds to complete (beef members)

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 |

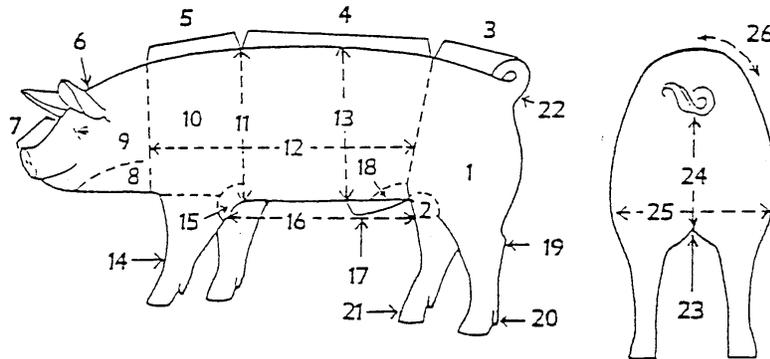
Match the number to the name of the steers' digestive system.



- | | |
|-------|-----------------|
| _____ | Cecum |
| _____ | Abomasum |
| _____ | Anus |
| _____ | Esophagus |
| _____ | Large Intestine |
| _____ | Mouth |
| _____ | Omasum |
| _____ | Reticulum |
| _____ | Rumem |
| _____ | 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
- _____ depth of side
- _____ dew claw
- _____ elbow
- _____ face
- _____ ham
- _____ heart girth
- _____ hock
- _____ jowl
- _____ knee
- _____ length of side
- _____ loin
- _____ neck

- _____ pastern
- _____ poll
- _____ rear flank
- _____ rump
- _____ seam or crotch
- _____ sheath
- _____ shoulder
- _____ shoulders
- _____ stifle region of ham
- _____ tail setting
- _____ turn over loin edge
- _____ underline
- _____ 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 Pictures

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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: 17-19 year olds to complete

Using the "Targeting Life Skills Model" choose one life skill from each section (head, heart, hands, and health) and explain how you have developed those life skills from working with your 4-H projects. Use additional paper if necessary.

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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

Poor conception rate,
Re-absorbed litter, mummies
and small litters.

1 to 8 day-old pigs, watery
diarrhea, high death rate, vomiting.

Watery, yellowish diarrhea, wet
tail.

No energy, sleepy, rough hair coat,
wrinkled skin, hard breathing, poor
growth.

Infertility, abortions 15 days after
breeding.

Infection of the mammary gland,
udder hard and hot to touch, off
feed.

Diarrhea containing blood and
mucus, off feed, death in pigs under
three weeks.

Sneezing, tearing of eyes, snorting,
coughing, twisting of nose
(crooked).

Reproductive disease causing
abortions, mummies and weak pigs.

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.

_____A.

_____B.

_____C.

_____D.

_____E.

_____F.

_____G.

_____H.

_____I.

_____J.

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. There is a break in the skin and the organism infects the wound.
- _____G. Caused by a sudden shortage of blood calcium. Often occurs shortly after calving.
- _____H. A contagious skin disease of cattle, that are 1 to 2 inches in diameter where hair is lost and a slightly raised crustiness appears.
- _____I. 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.
- _____J. Watery feces, fever, sunken eyes.



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