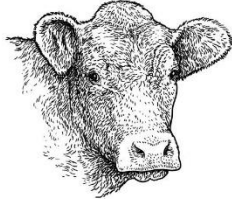


OCEANA COUNTY 4-H MARKET LIVESTOCK
EDUCATIONAL NOTEBOOK/RECORD

STEER PROJECT - 2022

AGES 15 - 19



As a member of the 4-H Market Livestock Steer Project, you are required to submit your records as part of an educational project notebook in order to sell your animal at the 4-H Market Livestock Sale. **This notebook must be shown to the Oceana County 4-H Market Livestock Committee's Weighmaster at the time of weigh-in and then entered by you in the Educational Notebook Division of the Oceana County Fair on Entry day.**

AGE: _____

The age you enter depends on how old you are or will be on January 1, 2022

Number of years in project: _____

Use this sheet as the first page of your project record book. Fill it out completely.

Please print neatly.

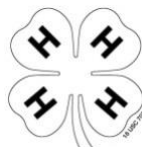
NAME _____

4-H CLUB _____ GRADE _____

BREED _____

STEER'S NAME _____

LOCATION WHERE ANIMAL IS RAISED _____



JUDGE'S SCORE/COMMENT SHEET

(PLEASE DO NOT REMOVE, PLACE THIS SHEET IN SHEET PROTECTOR OR GLUE TO COVER). This sheet must be kept free for the judge to write their comments.

This sheet should help each 4-H'er understand their ribbon placing.

A. **Specific educational value or worth**

All questions were answered completely

All calculations were correct

Calculations were incorrect

Questions were not answered (missed questions)

B. **Notebook contains all project records**

Notebook contained all project records and were fully completed

Notebook contained additional project related information (research materials etc.)

Project records were incomplete

There was no additional project related information

C. **Accuracy, neatness and general appearance**

Notebook was neat in appearance (typed/hand printed)

Notebook pages were clean and stain free

Notebook pages were in order and complete

Notebook was difficult to read and messy

Notebook had wrinkled and stained pages

Other Comments: _____

4-H MARKET LIVESTOCK STEER NOTEBOOK
AGES 15-19

TABLE OF CONTENTS

Please keep your notebook in Table of Contents order.

- 1) GENERAL GUIDELINE INFORMATION
- 2) JOURNAL OF CARE
- 3) PROJECT INFORMATION
- 4) SPECIFIC PROJECT KNOWLEDGE
 - a) Marketing
 - b) Breed Scramble
 - c) Steer Parts Identification
 - d) Showmanship Word Search
 - e) Project Rules- True or False
 - f) Beef Jumble- Cuts
- 5) YOUR PROJECT INFORMATION
 - a) Project Progress & Management Report
 - b) 4-H Knowledge
 - c) My 4-H Story
- 6) BUYERS NAMES
- 7) PICTURES OF YOUR PROJECT (1 page)
- 8) CLUB/NON CLUB POINT SHEET

APPENDIXES (OPTIONAL):

- A. PICTURES OF YOUR PROJECT (additional pictures)
- B. FEED INFORMATION (example: feed labels etc.)
- C. ADDITIONAL INFORMATION ABOUT YOUR PROJECT
 - a. Information you found in reference materials
 - b. Information you located off the internet
 - c. Information gathered from your feed representative
 - d. Any other information

*** *Include notes as to why you researched this information and found it valuable, link it to your project if possible.***

Note: Reference materials used for the specific project knowledge include:

- a. Extension publication 4-H 1188 – Your 4-H Market Beef Project
- b. 4-H Market Livestock Beef Project Rules
- c. Kansas State 4-H Online
- d. The Ohio State University Learning Lab Online Site

This record book is part of your 4-H Market Steer Project. 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. Feel free to add extra pages.

PROJECT PICTURES

Pictures are a required part of this notebook. Taking pictures of your project animal throughout the project will indicate how your animal has grown and developed. Add pictures to your notebook on a separate piece of paper.

SCORING CRITERIA

The following breakdown will be used during the judging process of all market livestock notebooks.

A. Specific educational value or worth	30%
B. Creative way of showing what has been learned	10%
C. Notebook contains all project records	50%
D. Accuracy, neatness and general appearance	10%

The Oceana County 4-H Market Livestock Committee encourages 4-H Leader and parent assistance with your project and project notebook. If you should have any questions, please contact the MSU Extension Office.

If a parent or leader helped you in filling out your notebook please have them sign below that the answers are YOUR answers and that they assisted you in the writing of the answers and understanding of the questions only.

Signature of person helping with notebook
If help was needed

Signature of 4-H Member

JOURNAL OF CARE

The 4-H Market Livestock Committee is **requiring all** 4-H Market Livestock members to complete the “Journal of Care” so the judge may see the time, effort and care you have put into learning about your animal.

*** Include things such as walked, fed, washed, clipped, trimmed, foot care, health practices, medicines, general maintenance (cleaning living & feed area), halter broke, training, had vaccinated, etc. ***

SEPTEMBER - NOVEMBER

DECEMBER - FEBRUARY

JOURNAL OF CARE (continued)

MARCH - MAY

JUNE - AUGUST

I, _____, do attest and certify that this 4-Her has cared for
(property owner name-please print-if parent put parent's name)

animal in a responsible manner while housed on my property. I also understand that integrity & responsibility are important to this 4-H experience.

Signature of Property Owner or Parent
If housed on own property.

Date

PROJECT INFORMATION

The start of the project will be the date the exhibitor placed the animal on feed. The end of the project will be weigh-in at fair.

Project Start Date _____ Project End Date _____

What month was your steer born? _____

Please fill in the following information about your steer.

Steer's Name	Steer's RFID Number	Breed	Date of Purchase	Price or Value	Starting Weight	Ending/Final Weight (FW)	Total Pounds Gained

Note: Ending Weight-Starting Weight= Total Pounds Gained

MONTHLY FEED RECORD & EXPENSES

Month	Type of feed used- <i>(grain, silage, hay, pasture, etc.)</i>	Supplements <i>(if any used)</i>	Amount <i>(indicate lbs., bales, etc.)</i>	Cost or Value of feed used for the month
September				
October				
November				
December				

MONTHLY FEED RECORD & EXPENSES (cont.)

Month	Type of feed used- (<i>grain, silage, hay, pasture, etc.</i>)	Supplements (<i>if any used</i>)	Amount (<i>indicate lbs., bales, etc.</i>)	Cost or Value of feed used for the month
January				
February				
March				
April				
May				
June				
July				
August				

Total Feed Costs for Project \$ _____

PROJECT EFFICIENCY INFORMATION

Value of Animal at Time of Purchase = _____

$$\frac{\text{Total lbs. of Gain (from page 4)}}{\text{Days on Feed}} = \text{Average Daily Rate of Gain}$$

$$\frac{\text{Total Feed Cost}}{\text{Total lbs. of Gain}} = \text{Feed Cost per Lbs. of Gain}$$

$$\frac{\text{Total lbs. of feed fed}}{\text{Total lbs. of gain}} = \text{Lbs. of Feed fed per lbs. of Gain}$$

$$\text{Total Feed Expense} + \text{Cost of Animal} + \text{Other Expenses} = \text{Total Project Expense (TE)}$$

Beef animals are sold by the pound at a Large Animal Sale Auction. Find out what bid price (per lb.) you need to get at the Large Market Auction to **break even (BE)** on your market Beef Project.

$$\frac{\text{Total Expenses (TE)}}{\text{Final Weight (FW)}} = \text{Break Even Price (BE)}$$

(or total cost per pound to raise your animal)

What is the current selling price of beef (per lb.)? _____

Where did you find the current selling price? _____
 (if your source was a person, ask them where they got this information)

Would you have been able to make a profit selling on the open market? _____

Why or why not? _____

MARKETING

One of the most important parts of any market animal project is marketing. This includes writing letter, talking to buyers and making sure that you thank previous buyers in a timely fashion.

- What did you do to market your animal this year?
- If you have participated in a market livestock project before, what did you do differently this year?

MATCH THE BEEF DISEASES/AILMENTS TO THEIR SYMPTOMS

_____ This disease is common to calves and usually occurs shortly after shipment. It is a respiratory disease caused by a virus. Symptoms are fever, depression, going off feed, light cough and nasal discharge.

_____ Caused by bacteria that may be contracted through contaminated feed & water. It affects the respiratory system. Symptoms are depression fever, excessive salivation & nasal discharge.

_____ Caused by an organism that produces a strong toxin. This disease progresses so slowly that no symptoms are noticed before the animal is found dead. Symptoms are depression, weakness, loss of appetite, diarrhea & rapid weight loss.

_____ A viral infection of the skin the causes growths that looks like cauliflower.

_____ This common disease involves the hoof and surrounding areas. The soft tissue will become tender. An open wound develops and infection develops in the foot & surrounding joints. Lameness will develop.

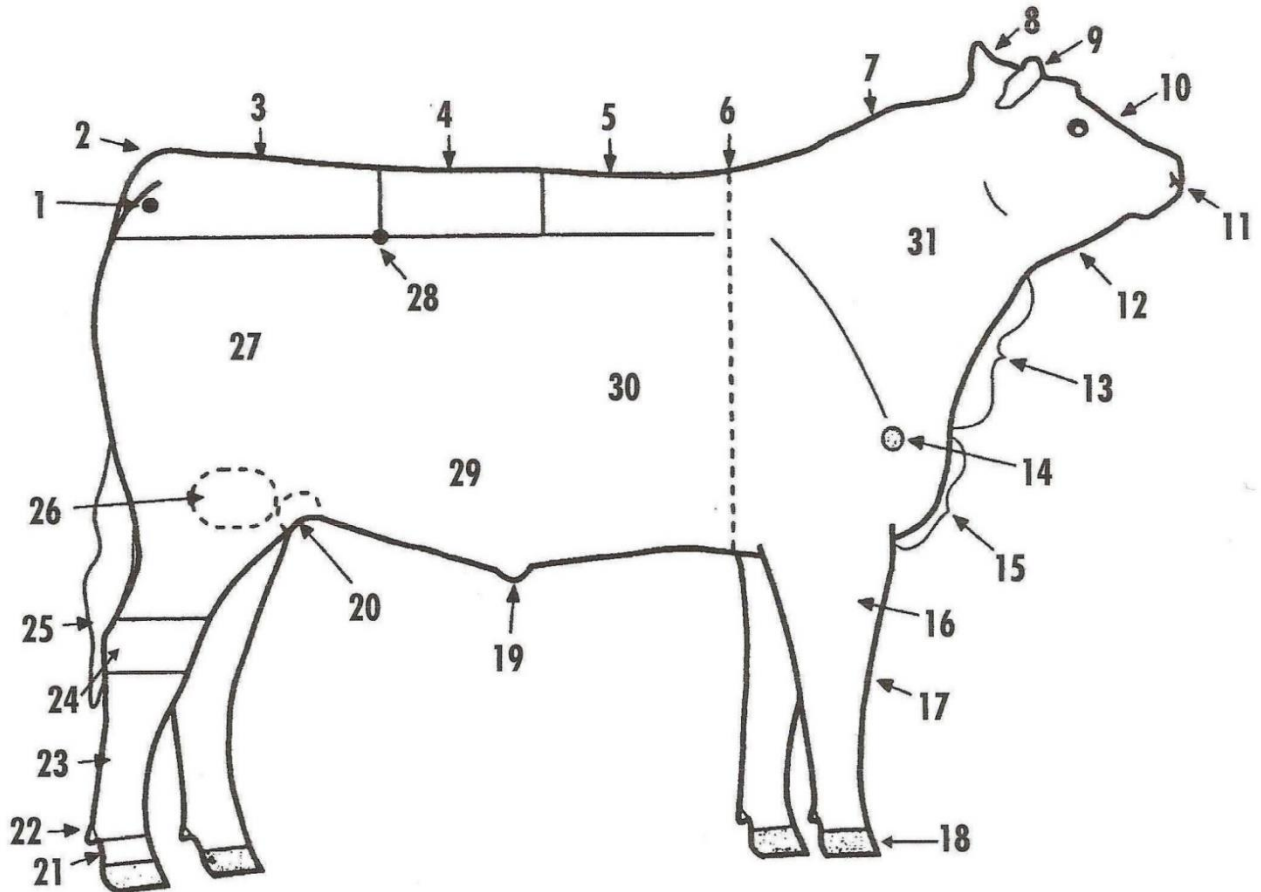
WORD BANK

Enterotoxemia
Parainfluenza
Foot Rot

Warts
Pneumonia

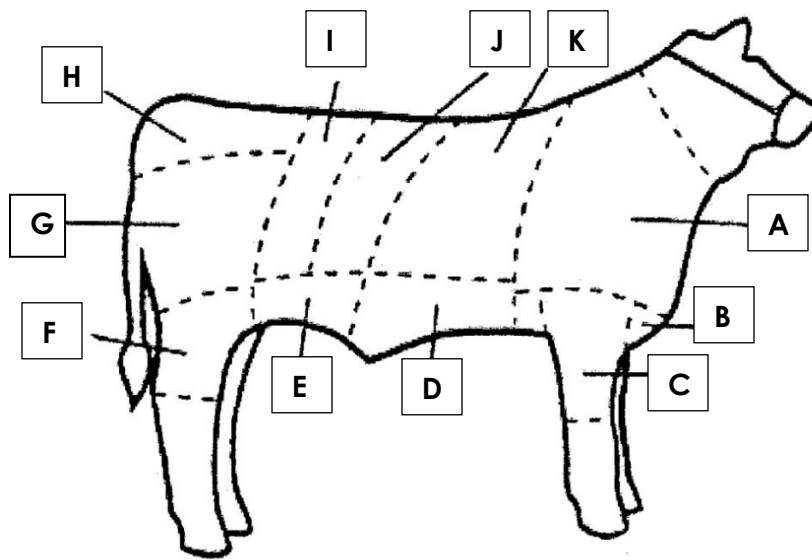
BEEF PARTS

WRITE the numbers that corresponds to the correct part of the animal on the lines below



- | | | | |
|-------------------------|---------------|--------------------|--------------------|
| _____ throat | _____ crest | _____ knee | _____ cannon |
| _____ neck | _____ face | _____ rib | _____ stifle joint |
| _____ point of shoulder | _____ pin | _____ sheath/navel | _____ forearm |
| _____ loin | _____ muzzle | _____ rear flank | _____ switch |
| _____ hoof | _____ dewlap | _____ ear | _____ tail head |
| _____ heart girth | _____ rump | _____ hook | _____ hindquarter |
| _____ pastern | _____ brisket | _____ dewclaw | _____ belly |
| _____ poll | _____ back | _____ hock | |

RETAIL CUTS- WRITE THE CURRENT CUT ON THE LINE IT MATCHES BELOW



WORD BANK

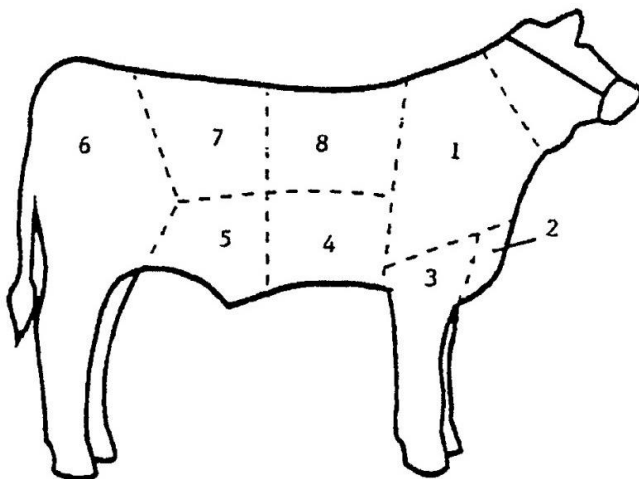
- Brisket
- Chuck Roast
- Flank Steak
- Ground Beef
- Rib Steak
- Round Steak
- Rump Roast
- Short Ribs
- Sirloin Steak
- Stew Beef
- T-Bone Steak

- A. _____
- B. _____
- C. _____
- D. _____
- E. _____
- F. _____

- G. _____
- H. _____
- I. _____
- J. _____
- K. _____

WHOLESALE CUTS OF BEEF

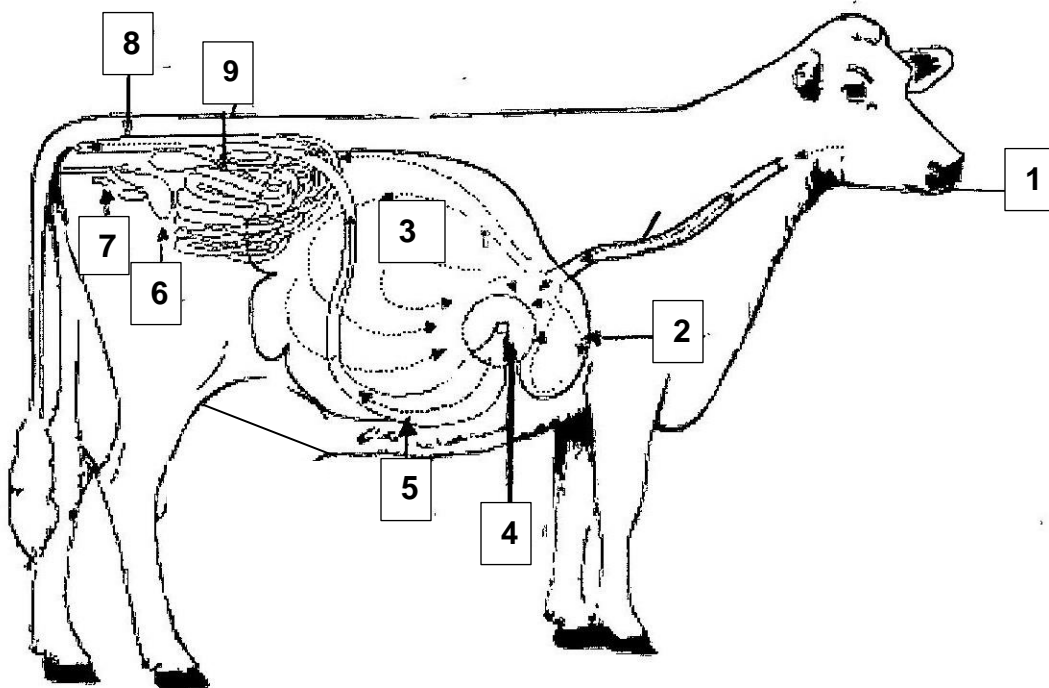
Fill in the name of number that coincides with the correct part.



- ____ Brisket
- ____ Chuck
- ____ Flank
- ____ Loin
- ____ Plate
- ____ Ribs
- ____ Round
- ____ Shank

DIGESTIVE SYSTEM

(Label the parts of the digestive track using the key below. Not all words will be used)



- | | |
|----------|----------|
| 1. _____ | 6. _____ |
| 2. _____ | 7. _____ |
| 3. _____ | 8. _____ |
| 4. _____ | 9. _____ |
| 5. _____ | |

WORD BANK:

Abomasum
Bladder
Esophagus
Enterotoxemia

Large Intestine
Medium Intestine
Mouth
Omasum

Pelvic Bone
Poll
Reticulum
Rumen

Small Intestine
Switch
Wither

YOUR PROJECT

(please answer to the best of your ability)

1. What did you learn that you didn't know about your project? _____

2. What is the best feature(s) of your market steer? _____

3. What feature(s) of your market steer could use improvement? _____

4. Will you participate in the market steer project again? _____

Why or why not? _____

4-H INFORMATION



The 4-H Pledge

(fill in the blanks)

I pledge...

My _____,

My _____,

My _____,

and My _____,

For my _____, my _____,

my _____, and my _____.

LIST 1 WAY THAT YOU HELPED OR TAUGHT OTHERS THIS YEAR:

4-H ACTIVITIES

Number of club meetings held: _____ Number you attended: _____

List any club activities in which you have:

- **participated in**
- **responsibilities which you have assumed**

(for example: Community service events, workshops, judging contest, clinics, offices held, parades representing 4-H, etc., if none, write none)

Activity	Date	Location	Placing, Position or Comments

MY 4-H STORY

(Interesting things that happened to me and my animal this year, challenges, highlights of the year or anything else I would like to share about my overall 4-H experience- ***if there is not enough room please attach an additional page of paper.***

POTENTIAL BUYER'S NAMES

As part of your 4-H Market Livestock Project, you must personally contact at least three potential buyers before the Oceana County Fair. You are encouraged to try to seek at least 1 new buyer that have not been asked or submitted before. **Three different buyers than those of your siblings are required, in the market livestock project.** Please confirm with your buyers their accurate mailing address (example: post office box vs. a street address). The information on page 15 must be completed and taken to the Oceana County MSU Extension Office on or before the due date where it will be **copied** and used to send out letters to your potential buyers. This page will remain in your notebooks. This is a Market Livestock Committee rule. Failure to comply will result in not being able to sell your animal in the 4-H Market Livestock Sale.

4-H MARKET LIVESTOCK POTENTIAL BUYER'S LIST
STEER PROJECT (AGES 15-19)

Name _____ Club _____

Please print business names and complete addresses clearly.

1. Contact Name _____
Business Name _____
Mailing Address _____ City _____ Zip _____
Phone _____ After Hours Phone _____
Email _____
Signature _____

2. Contact Name _____
Business Name _____
Mailing Address _____ City _____ Zip _____
Phone _____ After Hours Phone _____
Email _____
Signature _____

3. Contact Name _____
Business Name _____
Mailing Address _____ City _____ Zip _____
Phone _____ After Hours Phone _____
Email _____
Signature _____

(Must be stamped by the MSU Extension Office)

If you would like to contact additional buyers you can use this page. If not please throw this page out.

Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Email _____

Signature _____

Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Email _____

Signature _____

Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Email _____

Signature _____

Contact Name _____

Business Name _____

Mailing Address _____ City _____ Zip _____

Phone _____ After Hours Phone _____

Email _____

Signature _____

YOUR PROJECT PICTURES

(Please use this page for your project pictures. If you have more than 1 page of pictures please use the appendix section to include those pictures. The judges like if you caption your photos so they know what they are viewing)