

Section 2: Project Record



Dairy 4-H



Name

Club

Cornell Cooperative Extension | **Dutchess County**

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**pages modified from Oceana County 4-H in Michigan and Michigan State University Extension with permission.*

PROJECT OBJECTIVES

The purpose of the project is to help 4-H Club members to:

1. Gain an understanding of the work put into the daily care of the dairy cow as well as the preparation required for showing.
2. To develop a sense of responsibility through acts of community service.
3. To make lifelong friends, practice good sportsmanship, develop organizational and planning skills, all while having fun in a safe environment.
4. To enable the youth to become educated enough about the industry to be able to initiate the much needed conversation from farmer to consumer.

REQUIREMENTS

1. Be a member of a 4-H Dairy Club and attend meetings regularly, or engage in an Independent Dairy Project with the 4-H office.
2. Follow the leadership of the project leaders and Extension Staff.
3. Conduct a Dairy project.
4. Complete a County Level Public Presentation, participate in Community Service, and keep an accurate and up to date record book for each area of participation.

Why Keep Records?

- * Members learn more about their project animals- costs, feed, health & management skills.
- * Document activities and progress in the project.
- * Improve management and production practices.
- * Helps plan future projects.

Dairy Project Summary

Have you participated in other dairy activities, fairs, clinics, etc.: ___Yes ___No

If yes, list the activities, shows, fair or related programs attended:

What are your goals for this year's dairy project? _____

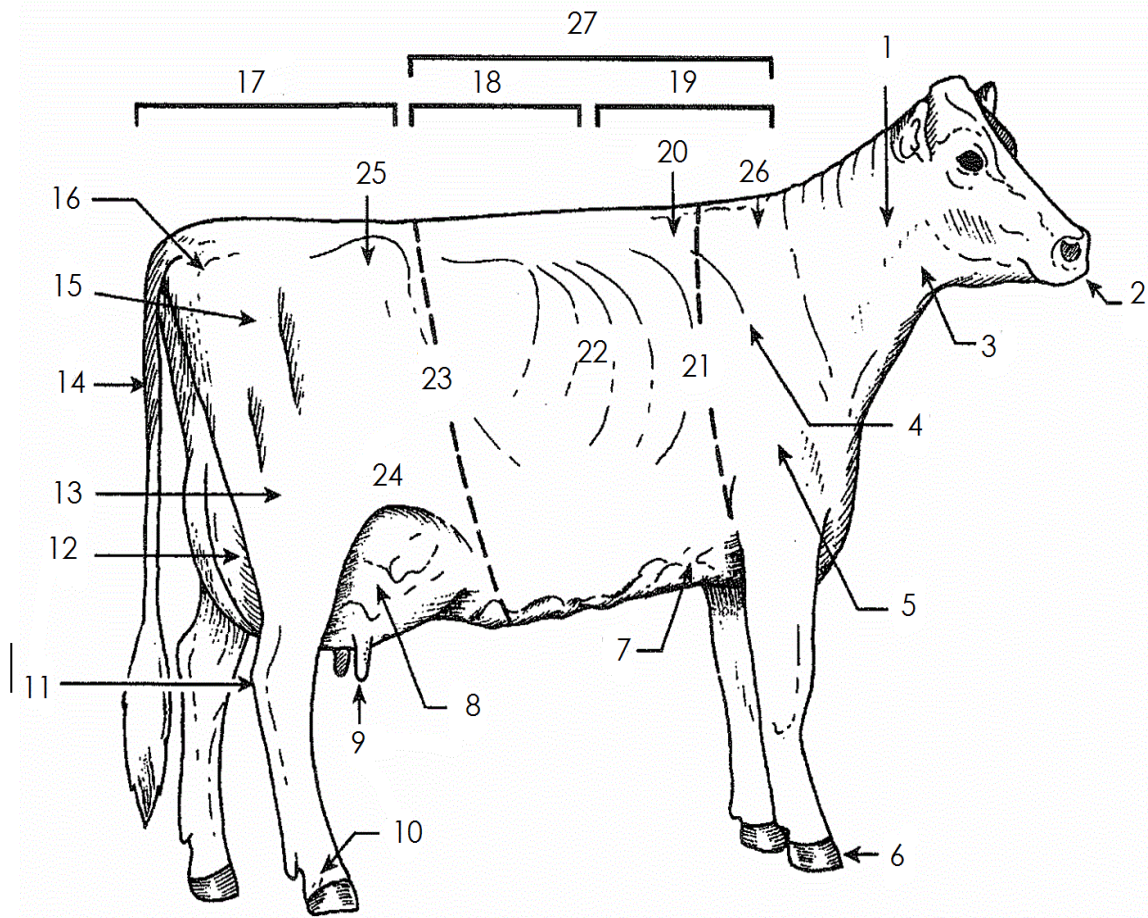
Showmanship: (list 1 quality of a good show person)_____

What were 2 ways you helped or taught others this year (4-H is about helping others as well as bettering yourself):

PARTS OF A DAIRY COW

(WRITE THE NAME OF THE PART NEXT TO THE CORRECT NUMBER BELOW)

*Courtesy OSU Dairy Learning Laboratory Kit



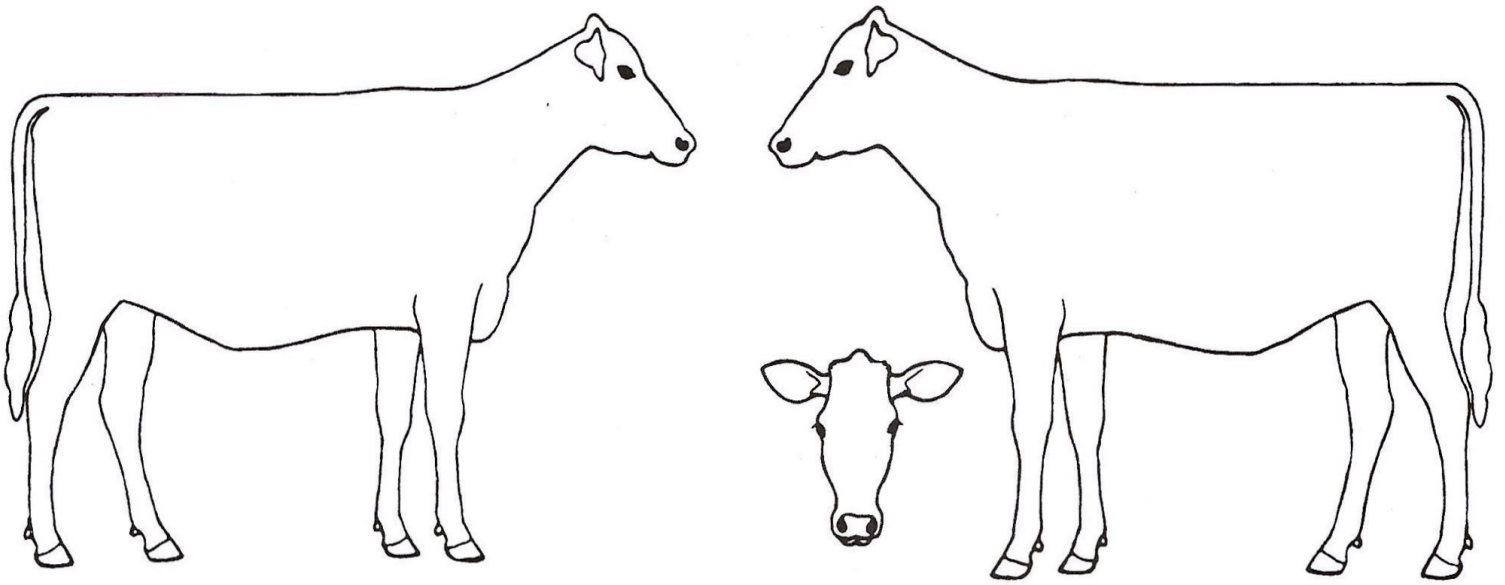
WORD BANK

RIBS
CHINE
CHEST FLOOR
BARREL
CROPS
FORE UDDER
HEART GIRTH
HIP (HOOKS)
HOOF
HOCK
LOIN
NECK
MUZZLE
PASTERN
PIN BONE
POINT OF SHOULDER
REAR UDDER
BACK
RUMP
SHOULDER BLADE
STIFLE
THIGH
TEAT
TTAIL
THROAT
THURL
WITHER

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. _____ 27. _____

4-H LIFETIME DAIRY CATTLE SUMMARY

IDENTIFICATION: Draw and color the markings on the outline or attach a photo of at least 1 of your 4-H dairy cattle projects. Answer the questions below using the same project animal.



Primary Strengths or Best Features: _____

Primary Weaknesses or Worse Features: _____

Management Records

Name:	Breed:
Date of Birth or Age:	RFID (required)

◆ How often do you feed/water your project?

◆ What does your animal's feed consist of?

◆ Do you give your animals any supplements? If so what?

◆ What type of bedding do you use for your dairy project?

◆ If your dairy project is milked, what is the milking procedure from beginning to end?

◆ How often do you clean the pen/barn your animal stays in? How do you do this?

Dairy FARM Work Record

Record all of the work you completed **for the farm** that your dairy project is raised on. For example: What are your responsibilities besides taking care of your 4-H dairy animal?

Date(s)	Description of Work Completed	Number of Hours Spent On Task

- If your animal(s) being raised on your own property, please have your parent or guardian sign acknowledging that you provided the care to the animal(s) and completed the dairy work as recorded.
- If you are borrowing an animal from someone else, have the owner sign acknowledging that you provided the care to the animal(s) & completed the dairy farm work as recorded.

I, _____, do attest and certify that this 4-Her cared for this animal
Property Owner's Name-or Parent if raised on own Farm (please print)

in a responsible manner while housed on my property and completed the works/tasks listed above. I also understand that integrity and responsibility are important to the 4-H experience.

**Signature of Property Owner
Or Parent if raised on own Farm**

Date

Records Questionnaire

(Questions refer to the farm or herd where your cow/heifer is regularly housed, ask questions of the farm owner if you do not know the answers).

What breed(s) of cattle does the farm have? _____

How many lactating cows does the farm have? _____

How many dry cows does the farm have? _____

Total number of heifers and calves on the farm? _____

At what age are calves weaned off milk at this farm? _____

Is the herd on a dairy testing program? _____ If yes, which program is it on? _____

QUIZ BOWL QUESTIONS

1) Name 3 internal parasites of dairy cows: _____,
_____, _____.

2) What are 4 of the 6 major nutrients found in feedstuffs? _____,
_____, _____, _____.

3) What are the 2 main gases produced in the rumen? _____,

4. _____ 5. _____ 6. _____

4) Name 4 types of bedding typically used for dairy cattle: _____,
_____, _____, _____.

5) Name 3 ways a dairy cow excretes (or loses) water : _____,
_____, _____.

6) A healthy cows body temperatures should be: _____.

SENIORS ONLY- 4-H Age 14+

Dairy Cow Unified Score Card

Using the Dairy Cow Unified Score Card (updated 2009 and can be found at: <http://www.purebreddairycattle.com/pages/Literature.php>), list the criteria under each of the FOUR major traits. This is what you would use to choose your show animal.

1. Frame—15%

Example: RUMP- 5 points _____

2. Dairy Strength- 25%

3. Rear Feet & Legs- 20%

4. Udder- 40%

DAIRY KNOWLEDGE

What is a pedigree and what information is usually found in a pedigree for a dairy animal?

How old should a calf be before it is weaned? _____

Describe the housing and environment your animal was raised in. _____

Describe the grain ration(s) you used and list the main ingredients in each. _____

It is especially important to provide clean, fresh water at all times as milk is _____% water.

TRIVIA

Which dairy breed generally has the highest level of milk production? _____

What is the common name for the disease *traumatic gastritis*? _____

An inflammation or infection of the mammary gland is called? _____

Cattle have 4 stomach compartments and are therefore called ruminants. Name them.

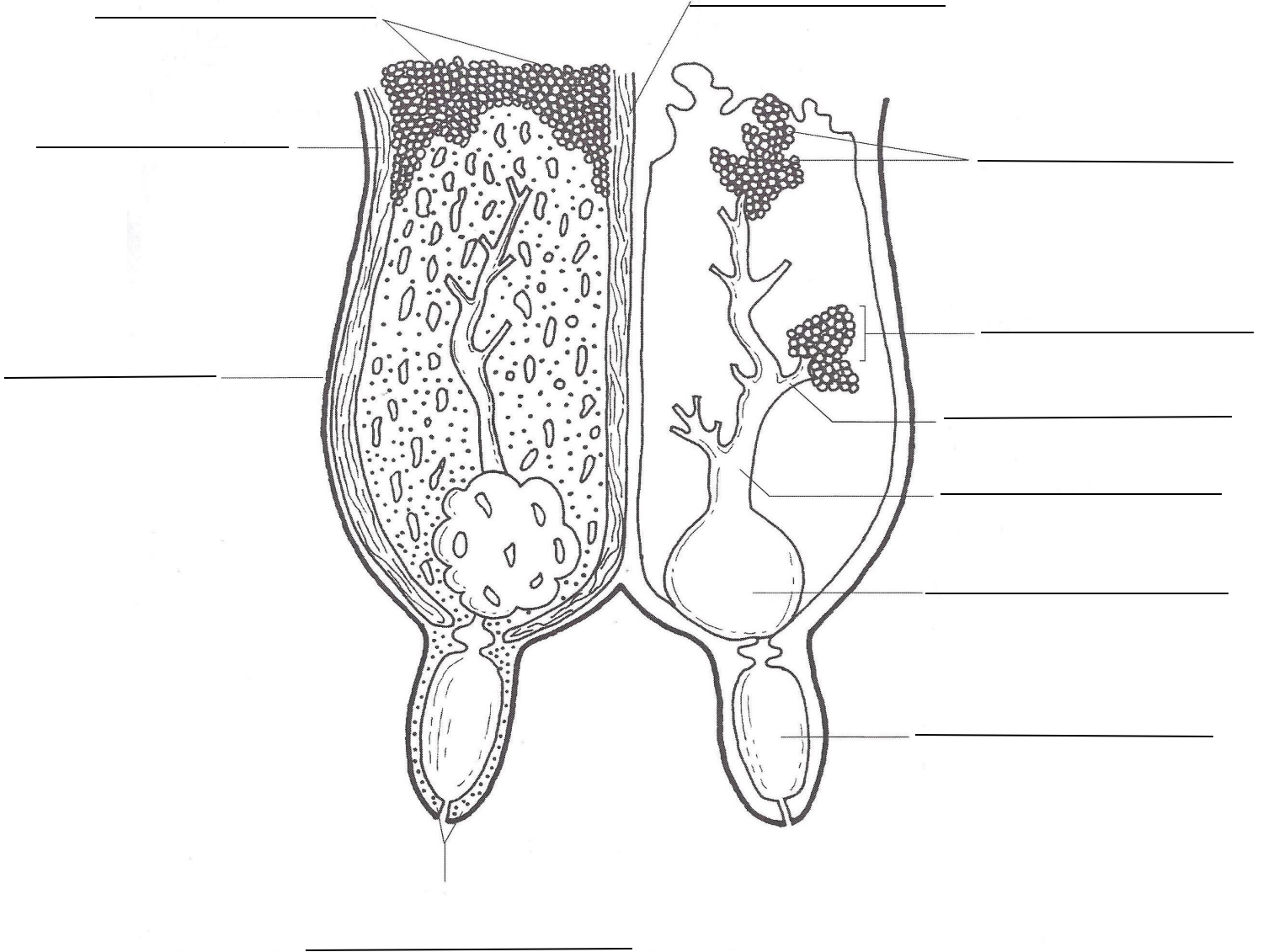
_____, _____,
_____, _____.

Which stomach compartment is referred to as the true stomach? _____

List 5 major dairy breeds: _____, _____,

_____, _____, _____.

Mammary Anatomy



WRITE THE CORRECT NAME OF THE PART ON THE LINE IN THE ABOVE DIAGRAM

Alveolar duct

Alveoli

Collecting duct

Fat

Gland cistern

Lateral suspensory ligament

Lobule

Medial suspensory ligament

Skin

Sphincter muscle

Teat cavity

Dairy Project Photos

1. Be creative. The more photos, the better! You are encouraged to be in the photo with your Dairy project animal(s).
 - You should also include the date of your photograph by, or on it.
 - Captions also help the judge understand what the picture represents.

YEAR IN REVIEW

Specific to your project, answer the following questions. Please add drawings, pictures, diagrams or newspaper clippings.

What were your goal(s) for this year?

Did you achieve them? Explain why or why not.

What was your greatest accomplishment this year?

What do you want to work on or learn about next year?

Year in Review continued

Use this space to add additional feedback on your project this year.

Summary of Club Meetings attended in the current 4-H Year

This record is of business meetings and educational activities done as a club. It does not include special events such as countywide events, field trips, shows, the fair, etc.

Club Name:

Club Leader(s)

Club meetings attended this year	# Meetings held by Club	# Meetings you attended	% Meetings you attended	# Hours you attended
A minimum of 6 meetings per year is required by all clubs. What percentage attendance is required by your club? <div style="display: flex; align-items: center; margin-top: 10px;"> <input style="width: 40px; height: 25px; border: 1px solid black;" type="text"/> % </div>				

Summary and Declaration

Those youth completing all 4-H expectations will be deemed as being in “GOOD STANDING” for the current 4-H year. This is an accomplishment to be proud of and will be rewarded with a Certificate and 4-H Achievement Pin.

Complete the table below to be eligible for this award by checking the box to certify you fulfilled each expectation.

4-H Expectations to complete the 4-H Year in GOOD STANDING	State YES if you completed this
Enrolled in 4-H by May 31 of the current 4-H year	
Always abided by the 4-H Code of Conduct	
Attended at least the minimum number of meetings required by my club(s)	
Met all 4-H and Club deadlines on time	
Completed a County-level Public Presentation	
Submitted MY 4-H Story in the correct format on time	
Submitted my completed Project Record Book on time	

I hereby declare that this 4-H Record Book, which contains:

Section 1: My Personal Development Record; and

Section 2: My Project(s) Record(s)

is a true record of my activities/accomplishments from the current 4-H year.

I confirm that, so far as is reasonably possible given my age and abilities, it is my own work.

Signed by 4-H'er:

Signed by Club Leader: