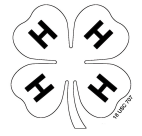


# 4-H DAIRY WORKSHEET



## Grade 8

Name: \_\_\_\_\_ 4-H Club \_\_\_\_\_

**Answers to these questions can be found in the "Dairy Resource Handbook" 4-H 127R**

1. In Chapter 3, you are informed that dairy are among a few animals that are colorblind and have poor depth perception. This results in an extreme sensitivity to \_\_\_\_\_. You animal may \_\_\_\_\_ at shadows, \_\_\_\_\_, or \_\_\_\_\_ in light to dark.

What is one way to improve visibility for your cattle? \_\_\_\_\_

\_\_\_\_\_

Tell about a time that your animal reacted to a situation because of the characteristics of their vision.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

2. Look in Chapter 4, Genetics is \_\_\_\_\_, this process is also known as \_\_\_\_\_.

Some genes have the ability to hide or mask the presence of another gene. These are:

\_\_\_\_\_ When you are writing these genes out, use a \_\_\_\_\_ letter. For an animal to display a dominant trait there only needs to be \_\_\_\_\_ dominant gene to see it. It can be expressed as: \_\_\_\_\_ or \_\_\_\_\_. The ones that are covered up are known as: \_\_\_\_\_. These are \_\_\_\_\_ letters when you write them out.

3. Chapter 8 discusses housing facilities for the milking herd. There are three common types of housing, what are they? \_\_\_\_\_

What are two disadvantages to tie-stall housing? \_\_\_\_\_

\_\_\_\_\_

What is the difference between the other two listed types of housing? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

What type of housing do you use and what do you like about it? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

4. In Chapter 6, find the section on dehorning. When do you know your calf can be dehorned?

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What is the easiest method to dehorn a calf? \_\_\_\_\_

5. Look at Animal Health in Chapter 13. What is extra-label drug use and when is it allowed?

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Describe what withdrawal time is and the rule of thumb regarding using milk from a cow in the withdrawal period. \_\_\_\_\_

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6. In Chapter 5, looking at the Nutrients, we learn about fats. They supply energy to the animal \_\_\_\_\_ more times than the same amount of carbohydrates do. What diet do baby cows get to get their fat intake? \_\_\_\_\_

What are the commonly fed natural sources of fats? \_\_\_\_\_

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8. List some skills you have gained by showing animals in 4-H. \_\_\_\_\_

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9. Look in Chapter 13 on Show Ring Ethics. List the six pillars of character. Then choose one pillar and describe how you will practice that pillar. \_\_\_\_\_

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# DEKALB COUNTY LIVESTOCK RECORD

(Check one)

- |                                      |                                     |
|--------------------------------------|-------------------------------------|
| <input type="checkbox"/> Beef        | <input type="checkbox"/> Swine      |
| <input type="checkbox"/> Goat        | <input type="checkbox"/> Sheep      |
| <input type="checkbox"/> Feeder Calf | <input type="checkbox"/> Dairy      |
|                                      | <input type="checkbox"/> Dairy Beef |

**You need to be keeping Monthly records. Use separate pages to record your monthly data and use this form to summarize your information.**

Name \_\_\_\_\_ Grade \_\_\_\_\_

Club \_\_\_\_\_ (of participation)      Years in 4-H \_\_\_\_\_ (including this year)      Years in this project \_\_\_\_\_ (including this year)

**Table 1. Inventory of 4-H Project Animals**

ID/Registration #	Animal's Name	Breed	Sex	Date of Birth	Value

(add more pages, if necessary)

**Table 2. List the items you feed to your animals (include type of feed, quantity, costs).**

Type of Feed	Total Amount Fed	Total Cost or Estimated Value of Feed
	#	\$
	#	\$
	#	\$
	#	\$
<b>Grand Total</b>	<b>#</b>	<b>\$</b>

Did you give a demonstration?      Yes \_\_\_\_\_      No \_\_\_\_\_  
 If yes, list the date given, title of demonstration and number of people present.

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List any tours, workshops, clinics, etc. you participated in relating to this project.

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<b>Financial Summary</b>	
<b>Item</b>	<b>Cost</b>
<b>Income</b>	
Sale of animals (estimate income, if not yet sold) OR estimate value for breeding animals.	
Any other income from project (i.e. Open Shows)	
<b>Total Income</b>	<b>\$</b>
<b>Expenses</b>	
Cost of animals	
Feed costs (growing rations, finishing rations, etc.)	
Veterinary/medical fees/health paper fees	
Housing or Rent	
Manure Handling	
Bedding	
Fencing	
Transportation	
Equipment (feed, show, groom)	
Other (List)	
<b>Total Expenses</b>	<b>\$</b>
<b>Income – Expenses: Actual or Projected Profit (loss)</b>	<b>\$</b>

<b>For Market Animals Only</b>					
Feed Record:	No. 1	No. 2	No. 3	No. 4	No. 5
1. Estimate weight of animal in early Sept.					
2. Initial weight of animal (estimate or weigh-in weight)					
3. Total weight gain (line 2 minus line 1)					
4. Number of days fed					
5. Average daily gain (line 3 divided by line 4)					
6. Total pounds feed fed					
7. Pounds feed per pound gain					