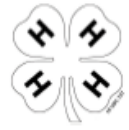


# 4-H BEEF WORKSHEET

## Grade 11



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

1. Structural differences are important to understand with beef. Find the proper name for these structural problems:

- A. \_\_\_\_\_ When viewing the hind legs from the rear, the hocks are turned inward or are placed close together, causing the toes to turn outward.
- B. \_\_\_\_\_ When viewing the rear legs from the side, the hock has too much angle or set, causing the animal to stand too far underneath itself. Often these animals will droop excessively from hooks to pins.
- C. \_\_\_\_\_ The hock has too little angle or set. The animal is too straight through the joint, resulting in stiff, restricted movement because of lack of flexibility.

2. When evaluating breeding cattle, several important characteristics must be examined. Traits that contribute to volume and capacity include the following:

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_

3. If you were buying breeding heifers, you would need to pay attention to structural correctness. You should look for animals that have the following characteristics:

- A. \_\_\_\_\_
- B. \_\_\_\_\_
- C. \_\_\_\_\_
- D. \_\_\_\_\_
- E. \_\_\_\_\_
- F. \_\_\_\_\_

4. A heifer's \_\_\_\_\_ is more important than her \_\_\_\_\_ when deciding breeding time. She should weigh \_\_\_\_\_ of her mature body weight at the onset of \_\_\_\_\_.

5. Match the answers. Draw an arrow to match word with the answers.

18 – 21 days

A heifer will come into heat (estrus) at this age, depending on breed and weight.

283 days

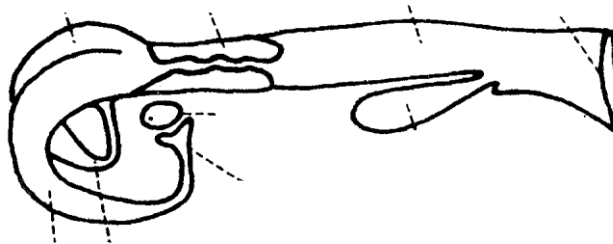
The cattle heat (estrus) cycle repeats in this period of time if she is not bred and if nutritional needs are being met and if she does not have a disease.

8 months

The normal gestation period for cattle

6. Label the following parts of the female reproductive system: bladder, cervix, ovary, oviduct, uterus, uterine horns, vagina, vulva

**Female Reproductive System**



7. What are the 7 signs of estrus? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Name & define the three mating systems.

a. \_\_\_\_\_

\_\_\_\_\_

b. \_\_\_\_\_

\_\_\_\_\_

c. \_\_\_\_\_

\_\_\_\_\_

9. Why is Artificial Insemination used? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



# DEKALB COUNTY LIVESTOCK RECORD

(Check one)

- Beef
- Goat
- Feeder Calf
- Swine
- Sheep
- Dairy
- 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					