

**White County 4-H**  
**Beef Educational Activities – 11<sup>th</sup> Grade**  
Project Year \_\_\_\_\_

4-H'er Name \_\_\_\_\_ Club \_\_\_\_\_

**Activity # 2**

- T or F 1. Quality grading and yield grading are used to evaluate a beef carcass.
- T or F 2. Quality grades for young cattle are prime, choice, cutter and canner.
- T or F 3. Prime and choice grades are in greatest demand by consumers of fresh beef.
- T or F 4. Carcass fat thickness is taken over the ribeye between the 10<sup>th</sup> and 11<sup>th</sup> rib.
- T or F 5. Everyone involved in the livestock industry is obligated to do their part to provide a safe wholesome product to the consumer.
- T or F 6. Only 55 % of all beef females that are used in the breeding season wean a calf each year in the U.S.
- T or F 7. Only frozen embryos can be transferred to recipient females.
- T or F 8. Extreme birth weights are a trait.
- T or F 9. Residue is the amount of a substance that remains in an animal's body tissue after exposure to a substance.
- T or F 10. Finish refers to the amount of fat cover a market animal possesses.

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***Activity #1 - Exploring Career and Educational Options***

List fifteen (15) different careers in the Animal Agriculture and/or Beef Industry.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_
13. \_\_\_\_\_
14. \_\_\_\_\_
15. \_\_\_\_\_

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**Activity #3 - The Three Stages of Calving**

1. Name the three stages of calving  
Stage 1 \_\_\_\_\_  
Stage 2 \_\_\_\_\_  
Stage 3 \_\_\_\_\_
2. Which of the following takes place during the delivery stage of calving?
  - a. The uterus contracts every 2 minutes
  - b. The uterus contracts every 10-15 minutes
  - c. The uterus contracts every 45-60 minutes
  - d. The uterus does not contract at all
3. The cervix begins to open during the dilation stage of calving. True                  False
4. Part of the calving stage includes \_\_\_\_\_
  - a. The calf moves into the birth canal
  - b. The placenta is usually released
  - c. The water bag will appear and break
  - d. The heifer comes to you and wants to be petted
5. If you breed a cow on May 7, what would be the due date to give birth?
  - a. January 22
  - b. September 7
  - c. June 1
  - d. February 14
6. Mature cows often have \_\_\_\_\_.
  - a. The same gestation periods as first-calf heifers
  - b. Longer gestation period than first calf-heifers
  - c. Shorter gestation period than first calf heifers
  - d. None of the above
7. If a heifer has not expelled her placenta after \_\_\_\_\_ hours, you should call your veterinarian.

a. 18 hours	c. 24 hours
b. 12 hours	d. 1 hour
8. If you want a cow to give birth on April 11, what date should you breed her?

a. July 30	c. July 2
b. November 1	d. July 4
9. First-calf heifers may calve slightly earlier than expected. True                  False
10. The front feet of a calf should appear first True                  False

