



4-H Dairy

Jasper County
Derived from Steuben
County Record Sheet A
Grade 12

Name _____ 4-H Club _____

Matching Reproductive Terms: Please write the letter of the definition with the matching word related to the reproductive terms.

- | | |
|---------------------------------|--|
| 1. _____ Uterine Infections | A. vulva and vaginal inflammation |
| 2. _____ Estrogen | B. stimulates development of ovarian follicles |
| 3. _____ Cystic ovarian disease | C. unable to detect estrus; abnormal vaginal discharge |
| 4. _____ FSH | D. causes heat (estrus) |
| 5. _____ IBR | E. necessary for sperm production |
| 6. _____ Testosterone | F. lack of estrus and infertility |

Care, housing & Safety - Fill in the blanks: Please write the correct answer on the line provided to correctly complete the statement.

1. What is the Punnett Square and how is it used? _____

2. What is heredity? _____
3. When is the appropriate time to breed a dairy animal? _____

4. Compare and contrast the three main selective mating systems: _____

5. The estrus cycle of a cow occurs how often? _____
6. List and describe the 5 major parts of the female reproductive system: _____

7. List and describe three linear trait types that are of economic importance to a dairy herd:

- A. _____

- B. _____

- C. _____

8. List and describe the six major parts of the male reproductive system:

9. What is embryo transfer and why is it used? _____

10. Differentiate genotype from phenotype _____

Reproduction Critical Thinking Problem: Use the information below to complete the Punnett Square.

Given Information: The cow is black and white and has a heterozygous genotype Bb.

The bull is a red and white heterozygous genotype bb.

What percentage of the offspring will be black & white? _____

What will be the genotype of the black & white offspring? _____

What percentage of the offspring will be red & white? _____

What will be the genotype of the red & white offspring? _____
