



4-H Dairy

Pulaski County
Developed by Steuben County
Record Sheet 12-1
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 and white? _____
 What will be the genotype of the black and white offspring? _____
 What percentage of the offspring will be red and white? _____
 What will be the genotype of the red and white offspring? _____
