



4-H Dairy

Union County
Record Sheet
10-2 Grade 10

Name: _____ 4-H Club _____

Reproduction Matching:

- | | |
|----------------------------|--|
| 1. _____ Gomer Bull | A. measure the amount cows are walking |
| 2. _____ Heat Detector Pad | B. smeared on animal or hair is ruffled when mounted |
| 3. _____ Pedometer | C. colored dye is released when pressure is applied by the attempt of mounting |
| 4. _____ Chalk | D. can be outfitted with a chin ball marker |



Health, Reproduction, Nutrition & Manure Management - Fill in the blanks: Please write the correct answer on the line provided to correctly complete the statement.

- What is DNA and what does it do? _____

- After giving birth, how long does it take for the reproductive tract to return to normal?

- What is pedigree and what is it used for? _____

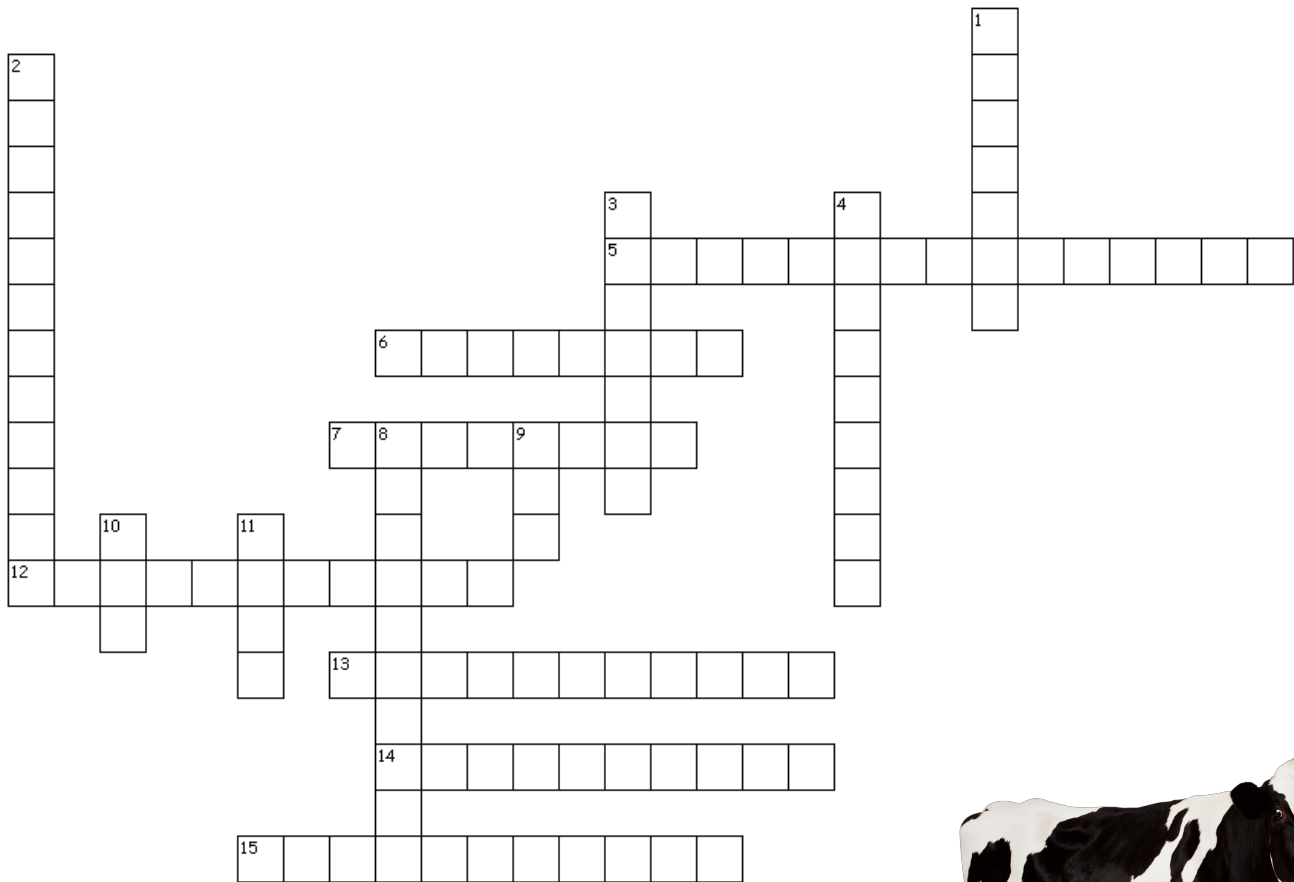
- In what 3 ways are veterinarians a valuable resource to a dairy?

- What happens to the quality of feed as forages mature? _____

- In what position are most cows when calve? _____
- What is a watershed? _____

- Where on the internet can you go to find your watershed? _____
- Heifers should calve by _____ to maximize lifetime _____ and to minimize total nonproductive _____.

Nutrition Cross Word Puzzle: Please use clues below complete the puzzle below.



Across

- 5. heifers which may have more problems delivering a calf
- 6. help build strong bones and teeth
- 7. ration with all the necessary nutrients animals need in one day
- 12. products added or mixed into the feed
- 13. the process of giving birth
- 14. feed additives used to improve feed efficiency
- 15. decline in milk production after peak milk

Down

- 1. needed for growth, maintenance, pregnancy and lactation in the adult animals
- 2. mixed with feed to form a diet for the animal
- 3. main source of fiber in the animals diet
- 4. high in antibodies and nutrients for newborn calves
- 8. building blocks of protein
- 9. high concentrations of starches and sugars in grains and by-products fed to animals
- 10. rumen degradable nitrogen source which is converted into ammonia
- 11. start a calf on solid food versus liquid food

Horses, cats, and dogs are not required to complete numbers 2 and 3.

Animals Owned

Animals Name	Breed	Sex	Date of Birth	Date Obtained

1. Expenses for the Animal(s)

Animal(s) *if purchased* \$ _____
 Feed \$ _____
 Bedding \$ _____
 Vet \$ _____

Total Expenses \$ _____

2. Income from Animal(s) *market animals sold* \$ _____

Estimated value of animal to be sold in 4-H Auction \$ _____

Total Income \$ _____

3. Value of breeding animals

Value of your cat or dog

Asset Value \$ _____

\$ _____

Net Profit / Loss \$ _____

Member Signature: _____

Parent Signature: _____

Leader Signature: _____