



# 4-H Dairy

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

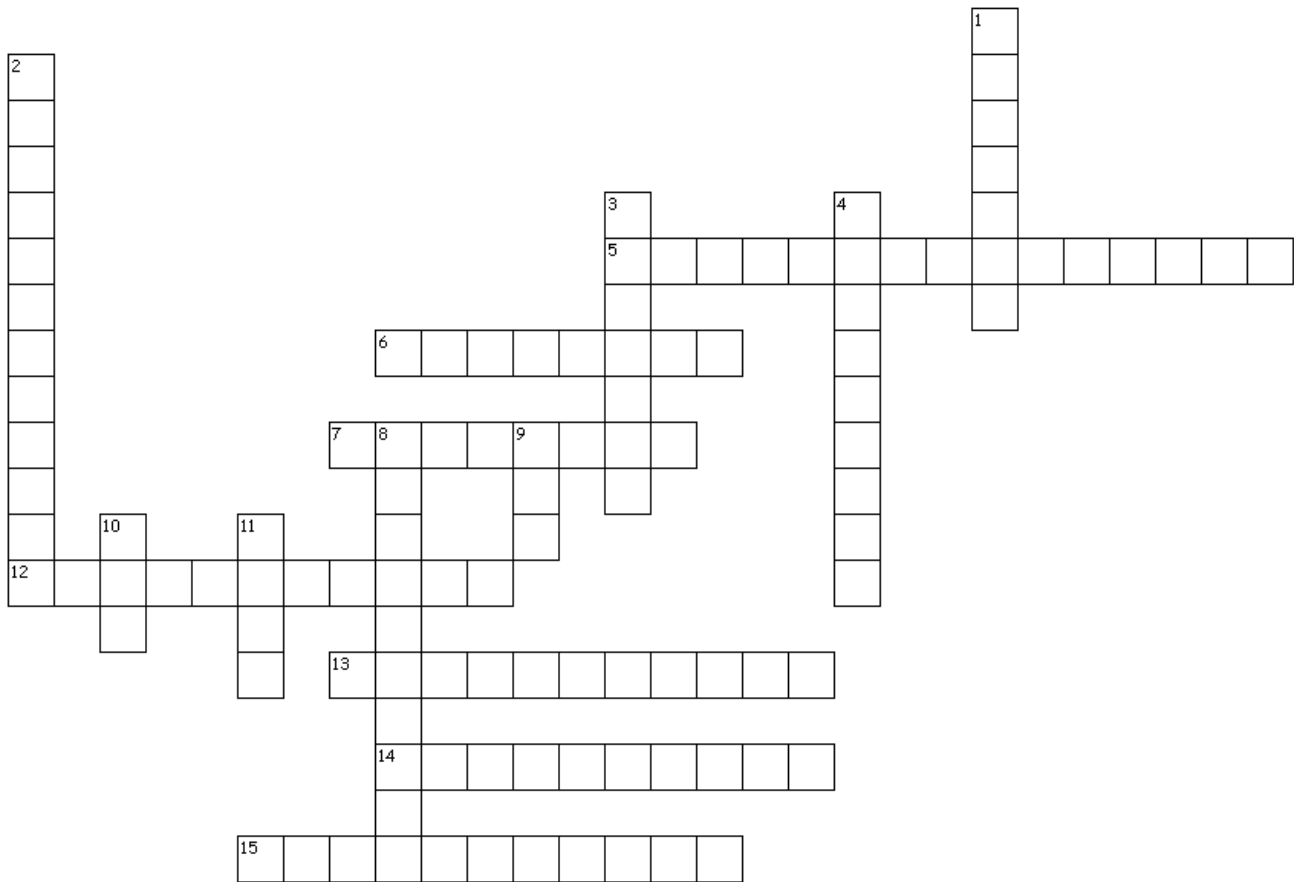
## **Reproduction Matching:**

- |                            |  |
|----------------------------|--|
| 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.**

1. What is DNA and what does it do? \_\_\_\_\_  
\_\_\_\_\_
2. After giving birth, how long does it take for the reproductive tract to return to normal?  
\_\_\_\_\_
3. What is pedigree and what is it used for? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. In what 3 ways are veterinarians a valuable resource to a dairy?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. What happens to the quality of feed as forages mature? \_\_\_\_\_  
\_\_\_\_\_
6. In what position are most cows when calve? \_\_\_\_\_
7. What is a watershed? \_\_\_\_\_  
\_\_\_\_\_
9. Where on the internet can you go to find your watershed? \_\_\_\_\_
8. 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

Answers to these questions can be found in the "Dairy Resource Handbook" 4-H 127R