

## 4-H PEI VIRTUAL DAIRY PROJECT



# KNOWLEDGE SAVENGER HUNT

This activity is to help you test your current dairy knowledge as well as encourage you to learn new information about dairy health, care, breeds, industry, etc. We encourage you to try to answer all the questions you can and then use various online resources to check your answers and/or complete any questions you were not able to answer.



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### Some possible online sources of online information:

4-H Alberta - Dairy Project Guide: [https://www.4h.ab.ca/downloads/documents/Dairy\\_ProjectGuide2015.pdf](https://www.4h.ab.ca/downloads/documents/Dairy_ProjectGuide2015.pdf)

NFACC Dairy Code of Care: [http://www.nfacc.ca/pdfs/codes/dairy\\_code\\_of\\_practice.pdf](http://www.nfacc.ca/pdfs/codes/dairy_code_of_practice.pdf)

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1. What is the gestation period for cows? 283 days (or 279-287)
2. The process of flushing fertilized eggs from donor cows and implanting them in recipient cows is called what? Embryo Transfer
3. What is the first milk produced after birth called? Colostrum
4. What is the name for a sterile heifer that is born twin to a bull? Freemartin
5. A calf's immune system is not fully functional until how many months of age? 4 months
6. What is the measure of how well cows turn feed into milk? Feed efficiency
7. Approximately how many gallons of blood must pass through the udder in order for the cow to produce one gallon of milk? (circle correct answer)  
a) 400-500 gallons    b) 40-50 gallons    c) 10-15 gallons
8. Which breed of dairy cow produces milk that has a golden color? Guernsey
9. What is the process of heating milk to destroy pathogenic bacteria called? Pasteurize
10. The normal water content of milk is approximately what percentage? (circle correct answer)  
a) 97.5%                      b) 87.5%                      c) 79.5%

11. Which compartment of the ruminant stomach has a lining that looks like a honeycomb & functions to trap wire, nails or other objects the cow may eat? Reticulum
12. What is the most common eye disease of cattle? Pink eye
13. What part of the cow does laminitis effect? Hooves
14. On average, cows have a flight zone of how many feet? (circle correct answer)
  - a) 1 foot
  - b) 5 feet**
  - c) 12 feet
  - d) 20 feet
15. When judging dairy cows, what is the term for an udder that hangs below a cow's hocks? Pendulous
16. Bloat occurs when the rumen and reticulum become filled with gases. What causes this condition?
 

<http://agriculture.vic.gov.au/agriculture/pests-diseases-and-weeds/animal-diseases/beef-and-dairy-cows/bloat-prevention-in-pasture-fed-beef-cattle#:~:text=Bloat%20is%20caused%20by%20an,form%20of%20a%20stable%20foam>
17. List three types of legume hay and three types of grass hay.
 

GRASS: timothy, orchard grass, ryegrass, fescue, brome, and bluegrass.

LEGUME: alfalfa, clover, and birdsfoot trefoil.
18. What is the normal body temperature for healthy mature cattle? 101.5 degrees Fahrenheit (38.6 degrees Celsius)
19. A deficiency of which of the following can cause "white muscle disease" in calves? (circle correct answer)
  - a) Vitamin A
  - b) Selenium**
  - c) Vitamin C
  - d) Vitamin D

20. Label the parts of the cow:

