

Worksheet 1a

Glossary: Important Dairy Vocabulary



Match the word on the left with its definition on the right. The definitions are jumbled. You can complete this task on your own or in pairs. If necessary, conduct research to assist with the completion of this task.



The act of drawing milk from a cow (or other animal). This can be done by hand or mechanically. On a dairy farm, it generally occurs twice a day in specialised buildings called milking sheds.



The mammary gland of a female dairy animal. It is the part of the body that produces milk and hangs under the body, between the animal's hind legs. The four teats are squeezed to release milk.



The most popular breed of dairy cow in Australia, making up nearly 1.4 million of Australia's 1.65 million dairy cows. They are mainly black and white and can produce 10,000 litres of milk in a year.



An even-toed, hooved mammal that has more than one stomach compartment. They are herbivorous, grazing animals that can bring up food from their stomach and chew it again, sometimes referred to as 'chewing the cud'.



The second most common breed of dairy cow in Australia. They are the smallest of all dairy cows and produce particularly creamy milk, making it ideal for making butter.

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The process of forcing milk through very fine nozzles to evenly distribute the fat globules throughout the milk so that the fat or cream doesn't float to the surface. This gives milk a smooth, consistent, creamy texture.



The name given to young female cattle. They are the 'teenagers' of the herd and haven't had a calf or have had one calf only. Feeding and nutrition play a critical role in the development of cattle during this stage.



A mineral needed by our bodies to carry out many important functions. It is particularly important for building and maintaining strong, healthy bones and teeth. Dairy products are one of the best sources of this mineral.



A sterilisation process that milk goes through once it has been taken to the processing plant. It is designed to kill any harmful bacteria in order to ensure it is safe for consumption.




A hygienic, insulated truck with a large tank. It collects the milk from farms and takes it to the closest milk processing plant.


Worksheet 1b

Introduction to Dairy Processes





Watch these brief videos for an overview of how milk is produced on Australian dairy farms. Make notes of the key points presented in each video.

**DISCOVER DAIRY**


HOW DO COWS MAKE MILK?



[youtube.com/watch?v=crDLIQU5Kdw](https://www.youtube.com/watch?v=crDLIQU5Kdw)

**DISCOVER DAIRY**

WHEN DO COWS MAKE MILK?


[youtube.com/watch?v=sBPlfb9W3K4](https://www.youtube.com/watch?v=sBPlfb9W3K4)

**DISCOVER DAIRY**

MILKING TIME ON THE FARM


[youtube.com/watch?v=HTWGQyVcYKw](https://www.youtube.com/watch?v=HTWGQyVcYKw)

Worksheet 1b

Introduction to Dairy Processes



Answer the questions based on the video content.

1 When does a cow start to produce milk?

<input type="checkbox"/>	a After her first calf is born
<input type="checkbox"/>	b Around 2 years old
<input type="checkbox"/>	c After 9 months of pregnancy
<input type="checkbox"/>	d All of the above



2 Cows are fed at milking time.

<input type="checkbox"/>	a True
<input type="checkbox"/>	b False

3 How often are dairy cows usually milked?

<input type="checkbox"/>	a Once a day
<input type="checkbox"/>	b Twice a day
<input type="checkbox"/>	c Once a week
<input type="checkbox"/>	d Twice a month



4 Depending on the breed, what is the average amount of milk a cow can produce in a day?

<input type="checkbox"/>	a 5 - 15 litres
<input type="checkbox"/>	b 15 - 25 litres
<input type="checkbox"/>	c 25 - 40 litres
<input type="checkbox"/>	d 40 - 55 litres

5 When stored in vats, milk is cooled to:

<input type="checkbox"/>	a 0 degrees Celsius
<input type="checkbox"/>	b 4 degrees Celsius
<input type="checkbox"/>	c 9 degrees Celsius
<input type="checkbox"/>	d 12 degrees Celsius

6 A rotary is a continuously rotating platform on which cows are milked. What are the benefits of a rotary?

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7 At milking time, how do the suction cups placed on a cow's teats mimic the feeding of a calf?

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