🐄 Dairy Production and Dairy Products · ANSWER KEY

Ag Science 1 · Unit 6 Dairy · Level 2 guided notes. Use with the class slides.

Name: _____

Fill in each blank with a word from the word bank in that box. Each word is used one time.

A. Dairy cows

1. Milk and dairy products are Washington's number **2** farm product. Number 1 is apples.
2. In 50 years, the number of dairy cows went down, but milk per **cow** went up.
3. Match each breed to its fact:

(Key: Holstein → black and white, most milk · Jersey → small, brown, creamy milk · Brown Swiss → another dairy breed)

Holstein	another dairy breed
Jersey	small, brown, creamy milk
Brown Swiss	black and white, most milk

4. The hormone that lets milk down is **oxytocin**. Stress can block it.
5. A calf's first milk is **colostrum**. It has antibodies.

Word bank: **2** **colostrum** **cow** **oxytocin**

B. What is in milk

6. Milk is about 87% **water**.
7. Milk's 3 main nutrients are protein, **calcium**, and riboflavin.
8. The main milk protein is **casein**. It clumps to make cheese.
9. Which are in milk? (circle 2)

lactose (milk sugar) caffeine **fat** gasoline

Word bank: **calcium** **casein** **water**

C. Processing and products

10. The truck driver checks milk is under **40** °F.
11. **Pasteurization** heats milk to kill harmful bacteria.
12. **Homogenization** breaks up fat so cream does not rise.
13. Vitamin **D** is added to milk to help the body use calcium.
14. Plain ice cream must have at least **10** % fat.

Word bank: **10** **40** **D** **Homogenization** **Pasteurization**

Level 2 version of the gen ed “Dairy Production + Dairy Products (Blank Out notes).”