



Dairy Worksheet

Objective(s):

Students will understand the difference between dairy products vs. nondairy products.

Indiana Academic Standards:

Introduction to Agriculture, Food and Natural Resources

IAFNR-8.1 Examine components of the food industry

Advanced Life Science: Foods

ALSF-5.3 Perform sensory-testing and marketing functions to characterize and determine consumer preference and marketing potential.

National Agricultural Literacy Outcomes

Food, Health, and Lifestyle Outcomes

T3.9-12e. Explain food labeling terminology related to marketing and how it affects consumer choices

Materials:

Provide a variety of dairy and nondairy products for students to try (e.g. butter versus margarine). Include some other products like buttermilk vs. milk, or skim vs. whole.

For example: label the products 1, 2 and 3" with the instructor knowing the products being used.

Examples of products to use

Milk vs. almond milk or soymilk

Mac 'n cheese vs. nondairy mac 'n cheese

Ice cream vs. nondairy ice cream

Creamer vs. half and half

Challenge round: Dairy product comparison

Skim milk vs. whole milk

Buttermilk vs. milk



Name: _____



As the agricultural industry tries to meet a wide variety of dietary preferences, dairy products are one of the major areas in agriculture that have adapted to meet the needs of nondairy diets. There are many traditionally dairy products that now have a variety of nondairy alternatives. Taste-test these products to determine if you can guess which one is a dairy product and which is a nondairy product. Circle your answers below.

Sample Number	Dairy	Nondairy
Product #1 example	I believe this sample is whole milk.	
Product #2 example		I believe this sample is margarine. This attempts to substitute butter, a real dairy product.
Product #1		
Product #2		
Product #3		
Product #4		
Product #5		
Product #6		



Teacher Answer Key

Choose which products you want the students to taste test (you can even come up with your own for students to try). Use Dixie cups (or something similar) and label them #1, #2, #3, etc. and with you knowing the answers, have the students guess.

Supplemental Information

- Indiana has over 800 dairy farms of all shapes and sizes.
- Holsteins represent 70% of the dairy cows in Indiana.
- 97% of Indiana dairy farms are family-owned.
- Indiana has over 174,000 dairy cows.
- One dairy cow can produce close to 128 glasses of milk every day.
- The dairy industry has an economic impact of nearly \$629 billion each year.
- **Careers:** Milk inspector, milk nutrition scientist, dairy cattle herd manager and cattle caretaker