

Name: _____

Date: _____

Discover Dairy and Milk Safety Color Explosion Lab

Directions: Answer the questions below in the spaces provided.

1. What happened when you put the food coloring in the water?

2. What happened when you put the food coloring in the whole milk?

3. What happened when you dipped the clean cotton swab into the milk?

4. What happened when you dipped the coated cotton swab into the milk?

5. Why did this happen to the whole milk?

6. How do you think the dishwashing detergent changed the way the milk reacted to the food coloring?

7. Repeat the method using fat free milk. What happened when you dipped the coated cotton swab into this type of milk?

8. The fat-free milk had _____ (same or different) reaction as the whole milk. Why do you think this is the case?

9. What changes could you make to this experiment to make the milk react differently?

10. What other food products are made from milk?
