

# Science Lab



# 5



## 10. Milk rainbow and designs

**Topic:** Surface tension and chemical change

**Objective:** Students will observe how dishwashing soap breaks the milk's surface tension letting the colours show up.

**Vocabulary:** mass, liquid, solid, surface, tension, container, show up

**Materials:**

- 1 - 2 cake containers
- 1 or 2 cups of milk
- Food colouring - different colours
- 200 ml of dishwashing soap
- Cotton swabs / Q-tips
- 1 cup

### Development:

- **Read and look at the pictures.**

**Step 1.** Put the milk in the cake container.

**Step 2.** Carefully, put some drops of food colouring in the milk without mixing.

**Step 3.** Fill the cup with dishwashing soap and get some with the Q-tips.

**Step 4.** Touch the food colouring in the milk with the Q-tips and observe what happens.

- Make some designs.

Step 1.



Step 2.



Step 3.



Step 4.



Tell us...

Look, read and write the words.



- 1. \_ \_ \_ \_ \_
- 2. \_ \_ \_ \_ \_
- 3. \_ \_ \_ \_ \_
- 4. \_ \_ \_ \_ \_
- 5. \_ \_ \_ \_ \_
- 6. \_ \_ \_ \_ \_

kiml  
 totocn  
 apos  
 socurol  
 wabiron  
 ebrka

- Picture \_\_\_\_\_
- Picture \_\_\_\_\_
- Picture \_\_\_\_\_
- Picture \_\_\_\_\_
- Picture \_\_\_\_\_
- Picture \_\_\_\_\_

1.



2.



3.



4.



5.



6.



Glue a picture of your project finished!

Milk rainbow and designs

Glue your  
picture here  
:)

1. What was your favourite part of the project? \_\_\_\_\_.

2. What, exactly, did you like the most?  
\_\_\_\_\_.

3. Extra notes on what you observed during the project. \_\_\_\_\_  
\_\_\_\_\_.

4. Can you see or apply the information from the project in real life? YES / NO

Explain: \_\_\_\_\_  
\_\_\_\_\_.

5. Was it easy to get the materials for the project? YES / NO

Explain: \_\_\_\_\_  
\_\_\_\_\_.

