

Science Lab



2



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.



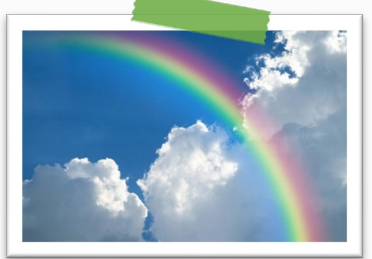
4.



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: _____
_____.

