

My Team's "Mixing Matters" Science Report!

My Name: _____

Team Name: _____

Our Scientists:

Part 1: Our Question & Our Plan

Our Big Question: How can we investigate if mixing different substances together creates something truly new, or just a different kind of mix?

What we are investigating in our experiment: (Circle your team's choice)

- Does **whole milk** or **skim milk** make more magic?
- Does **more soap** or **less soap** make more magic?
- Does putting soap **in the middle** or **on the side** change the magic?
- Other idea:

What we think will happen (Our Hypothesis): We think

because

Part 2: What We Did (Our Procedure)

Draw the materials we used:

Write the steps we took to do our experiment:

1. _____
2. _____
3. _____
4. _____

Part 3: What We Saw (Our Observations)

Draw and write what you saw happen for each test.

Test 1 (e.g., Whole Milk):

Before	After

What we saw:

Test 2 (e.g., Skim Milk):

Before	After

What we saw:

Did you feel the plate? Was it warm or cold? _____

Part 4: Our Conclusion (What We Learned!)

Did mixing the milk, food coloring, and soap make a *new substance*?

- Yes!
- No.

Tell why! Use your observations to explain your answer. (Circle words that help you explain!)

We think this was a (**physical change** / **chemical change**) because:

- The milk just **moved around**.
- It didn't make a **new color** (only the food coloring moved).
- It didn't make a **new smell**.
- It didn't make **new bubbles** (just the soap bubbles).
- It didn't get **hot** or **cold** (much).
- Something **new was formed** (like a gas or solid).

Our main reason is: _____

