

Love Potion Lab – Student Lab Sheet

Name: _____

Date: _____

Potion: Color-Changing Love Elixir

Ingredients: Cabbage juice, baking soda, vinegar

What's the Science? pH indicators change color in acids and bases.

What Did You Observe?



Potion: Bubbling Hearts Potion

Ingredients: Baking soda, vinegar, food coloring

What's the Science? Acids and bases react to produce carbon dioxide gas (bubbles).

What Did You Observe?

Potion: Shimmering Solubility Sparkle

Ingredients: Water, oil, glitter

What's the Science? Oil and water don't mix, and glitter floats or sinks based on density.

What Did You Observe?

Potion: Glowing Love Tonic

Ingredients: Tonic water, UV light

What's the Science? Quinine fluoresces under UV light, creating a glowing effect.

What Did You Observe?

Potion: Floating Heart Illusion

Ingredients: Dry erase marker, water, plate

What's the Science? Ink floats due to surface tension and insolubility.

What Did You Observe?

Which potion was your favorite and why?
