

Chemical Reactions and Matter (Bath Bombs) Reflection

Please respond in complete sentences. You may copy and paste this table or link this document directly on your Digital Portfolio.

What is one thing that you learned that will stick with you about this project?

One thing I learned is how to calculate density. The way you do this is by dividing the mass by the volume.

What was the most challenging part of this project? Which character trait did you use to overcome this challenge?

The most challenging part of this project for me was working with one of my groups. It was VERY difficult, and the character traits I used were responsibility, courage, and integrity.

What is one thing you are proud of about this project?

I am proud of my model that I created that showed what the reactants, the products, and the molecules that are in bath bombs.

Pick one item from your notebook that represents your best work or the most learning. Take a picture of it and upload it here: It is below.

Lesson 12: Updating the Model

Name: Oliver

	What we see unmixed (inputs)	Mixed Together	What we see after (outputs)	Types of particles (after mixing)
Water				
Citric acid molecule				
Baking soda molecule				
3 water molecules				
	<p>Mass of Solid (Baking Soda and citric acid) →</p> <p>Mass of liquid (water) →</p> <p>+</p> <p>Total mass Before</p>	<p>Some Solids dissolve in water</p> <p>We know it breaks into smaller pieces, but we don't know how.</p> <p>=</p>	<p>Mass of liquid. Some Solids dissolve in water</p> <p>+</p> <p>Mass of gas (carbon dioxide)</p> <p>Total mass: After</p>	<p>Types of particles (after mixing)</p> <p>?</p> <p>or</p> <p>3 carbon dioxide molecules</p>

KEY: \bigcirc = water
 \bigcirc = Baking Soda
 \bigcirc = Citric Acid

THE BATH BOMB REACTION:

Explain why you chose this image:

I feel as though I put the most work into this project, and I learned a lot while making this.