

# Did you know: You can experiment with art?!

## Engineering new ideas with art!

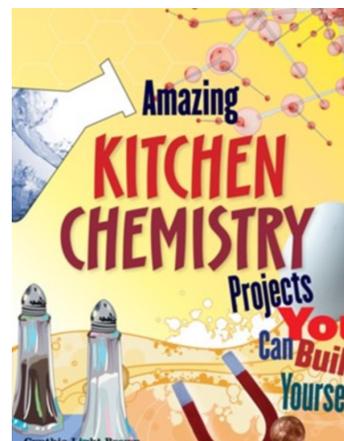
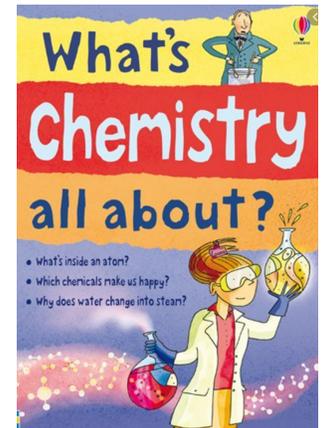
### Chemical Reactions

A chemical reaction is the combination of two reactants to form an entirely new product. Bonds are broken and new bonds are created. A chemical reaction is not always caused by mixing two substances together. Chemical reactions often involve color changes, temperature changes, gas production, or precipitant formation. Simple examples of everyday chemical reactions include digesting your food, combustion, and cooking!

### Everyday Science: Cool Chemistry Facts!

- \*Hydrogen is the first element on the periodic table. It has an atomic number of 1, and is highly flammable!
- \*Around 1% of the sun's mass is oxygen.
- \*Helium is lighter than air around us, so it floats. Perfect for balloons!
- \*Although still debated, it is largely recognized the word 'chemistry' comes from an Egyptian word meaning 'earth'.

Check out these other great chemistry books for kids!



- \*By 1000 BC, civilizations were using more complex forms of chemistry in using plants for medicine, extracting metal from ores, and makeup!
- \*The things invisible to the human eye can often be seen under UV light- perfect for scientists and detectives!