Keywords: Spring 2 Science

Topic Title: Chemical Reactions

Introduction to the topic: Why are you learning it and how does it link to what you've learned before?

This topic builds on our properties of matter and atomic structure topics and helps boost understanding of why things react the way they do.

What lessons will you cover during the topic?

Physical and chemical changes, combustion, displacement and decomposition.

Keyword	Definition
Thermal decomposition	Type of reaction in which a compound breaks down to form two or more substances when it is heated.
Reactant	A substance that reacts together with another substance to form products during a chemical reaction.
Product	A substance formed in a chemical reaction.
Exothermic	Reaction in which energy is given out to the surroundings. The surroundings then have more energy than they started with so the temperature increases.
Acid	Corrosive substance which has a pH lower than 7. Acidity is caused by a high concentration of hydrogen ions.
Alkali	A base which is soluble in water.
Neutralisation	The reaction between an acid and a base to form a salt plus water.