

7Fa – Fairground attraction/Getting a reaction/Breaking up

Word	Pronunciation	Meaning
chemical reaction		A change in which new substances are formed.
decompose		A reaction in which one substance splits up into two or more products.
irreversible		Permanent change that cannot be reversed.
observations		Information collected in experiments (e.g. what you see happening, measurements you make).
permanent		A change in which what you end up with cannot be turned back into what you start with.
physical change	<i>fizz-ick-al</i>	A change in which no new substances are formed.
reversible		A change in which what you end up with can easily be turned back into what you started with.

7Fb – Fizzy pop/Fizz and chips

Word	Pronunciation	Meaning
acid rain		Rain containing sulphuric and nitric acids.
carbon dioxide		A gas that will put out a lighted splint and turn limewater milky. Produced when acids react with limestone.
corrosion		When stone or metal reacts with chemicals in air or water and is worn away or changed into a different substance.
corrosive	<i>cor-row-sive</i>	Substances that attack metals, stonework and skin are called corrosive.
limewater		A chemical that goes cloudy when carbon dioxide is bubbled through it.
product		A new chemical formed in a chemical reaction.
reactants		Chemicals that join together to form a new substance.
rust		Substance formed when iron or steel reacts with oxygen and water.

7Fc – Kick start

Word	Pronunciation	Meaning
detonator		Something that will start a reaction (often used with explosives or fireworks).
oxide		A compound that includes oxygen.
word equation		A way of writing out what happens in a chemical reaction.

7Fd – Fire safety/On fire!

Word	Pronunciation	Meaning
chemical energy		The kind of energy stored in chemicals.
combustion		The scientific word for burning.
fire extinguisher	<i>ex-ting-wish-er</i>	Something that puts out a fire.
fire triangle		A way of showing in a diagram that heat, oxygen and fuel are needed for a fire.
fuel		A chemical that can release energy when it burns and reacts with oxygen.
hydrocarbon		A chemical compound containing only hydrogen and carbon.

7Fe – Burning issues/Focus on: Explosives/An explosive debate

Word	Pronunciation	Meaning
detonator		Something that will start a reaction (often used with explosives or fireworks).
explosive		A chemical that reacts very fast, giving out a lot of energy and making lots of gas.
unstable		A substance that reacts or decomposes very easily.