

**7Ea – Acids in action/Diamonds are for safety**

Word	Pronunciation	Meaning
acid		A substance that turns litmus red. It has a pH of less than 7.
concentrated		Something that has a large amount of the substance in it (and very little water or other impurities).
corrosive	<i>cor-row-sive</i>	Substances that attack metals, stonework and skin are called corrosive.
dilute	<i>die-lyoot</i>	We dilute a solution by adding more water to it.
harmful		Something that causes harm, but less dangerous than a corrosive substance.
hazard		Something that could be a danger.
hydrochloric acid	<i>hy-drO-klor-ick</i>	A common acid that is found in your stomach.
irritant		Something that irritates the skin and eyes.
nitric acid	<i>ny-trick</i>	A common acid.
risk assessment		A way of estimating the amount of risk involved in an activity (and of taking steps to reduce the risk where necessary)
sulphuric acid	<i>sull-fyour-ick</i>	A common acid. Used in car batteries.

**7Eb – Tangy tastes**

Word	Pronunciation	Meaning
acetic acid	<i>a-see-tick</i>	The old name for ethanoic acid. It is the acid in vinegar.
acid		A substance that turns litmus red. It has a pH of less than 7.
ascorbic acid	<i>a-score-bick</i>	Chemical name for vitamin C.
citric acid	<i>sit-rick</i>	The acid in citrus fruits.
ethanoic acid	<i>eth-an-know-ic</i>	The acid in vinegar.

**7Ec – In the red/Making an ash of it**

Word	Pronunciation	Meaning
alkali	<i>alk-al-lie</i>	Substance that turns litmus blue. It has a pH of more than 7.
indicator	<i>ind-ic-ay-ter</i>	A dye that will change colour in acids and alkalis.
litmus		A simple kind of indicator. It turns red in acids and blue in alkalis.
neutral		Substance that is neither an acid nor an alkali. It has a pH of 7.

**7Ed – Mixing a rainbow**

Word	Pronunciation	Meaning
pH scale		A numbered scale from 1 to 14 showing the strengths of acids and alkalis. Numbers below 7 are acids. Numbers above 7 are alkalis. pH 7 is neutral.
universal indicator		A mixture of indicators giving a different colour depending on how weak or strong an acid or alkali is.

**7Ed – Focus on: The 'H' factor**

Word	Pronunciation	Meaning
evidence		Observations or measurements that scientists use to test whether their ideas are correct or not.
theory	<i>thear-ree</i>	A way of explaining why things happen as they do. A scientific theory can always be tested against the evidence (usually from experiments).

**7Ee – Finding the balance/Not in my backyard**

Word	Pronunciation	Meaning
antacid	<i>ant-ass-id</i>	A medicine containing an alkali used to neutralise some of the acid in the stomach to treat heartburn.
chemical reaction		A reaction in which new substances are made.
neutralisation		When something is neutralised.
neutralise		When something is added to an acid or an alkali to make it more neutral – closer to pH7.