

**8Ea – The solution is clear**

Word	Pronunciation	Meaning
colourless		Something which has no colour.
dissolving	<i>diss-olv-ing</i>	When a solid splits up and mixes with a liquid to make a solution.
filtering		Separating things that have not dissolved from a liquid. The liquid is passed through a filter (such as filter paper) to do this.
filtrate		The liquid that runs through filter paper.
insoluble		A solid that will not dissolve.
mixture		Two or more different things jumbled up together.
opaque	<i>O-pake</i>	Not see-through.
residue		The solid bits that are trapped by filter paper.
soluble	<i>sol-you-bull</i>	A solid that can dissolve in a liquid. Salt is soluble in water.
solute		The solid that has dissolved in a liquid to make a solution.
solution	<i>sol-oo-shun</i>	When a solid has dissolved in a liquid.
solvent		The liquid that has dissolved a solid to make a solution.
transparent		Another word for see-through.

**8Eb – Solubility**

Word	Pronunciation	Meaning
saturated		A solution that contains as much dissolved solid as it possibly can.
solubility	<i>sol-you-bill-ity</i>	The amount of a solid that will dissolve in 100 g of a liquid.

**8Ec – Salt of the Earth**

Word	Pronunciation	Meaning
brine		A solution of common salt and water.
common salt		A chemical we use to make things taste 'salty'.
evaporation	<i>ev-app-or-ay-shun</i>	A liquid turning into a gas.
hard water		Water with certain chemicals dissolved in it that cause scum and stop soap making a lather.
quality standards		Rules about how pure something has to be. For water, the standards state the amount of salt and microorganisms that are allowed to be in drinking water.
rock salt		Salt that is found mixed with rock.
salts		Chemicals from rocks that have dissolved in water.
soft water		Water without the chemicals that are in hard water.

**8Ed – What's in a solution?**

Word	Pronunciation	Meaning
chromatogram	<i>krow-mat-O-gram</i>	The dried piece of paper produced by chromatography.
chromatography	<i>krow-mat-og-graph-ee</i>	Separating dissolved solids from one another. The solids are usually coloured.

**8Ee – Still water**

Word	Pronunciation	Meaning
condensing		A gas turning into a liquid.
distillation	<i>dist-till-ay-shun</i>	The process of separating a liquid from a solution by evaporating the liquid and then condensing it.
pure		A substance that does not have anything else in it.
steam		Water as a gas. Also called water vapour.
still		The apparatus used for distillation.
water vapour	<i>vay-per</i>	Water as a gas. Also called steam.

**8Ee – Focus on: Supplying water**

Word	Pronunciation	Meaning
desalination	<i>dee-sall-in-ay-shun</i>	Removing the salt from sea water, to obtain drinking water.