

8Ga – All that glitters/The elements of jewellery/Fool's gold

Word	Pronunciation	Meaning
atom		The smallest part or particle of an element.
bond		Attraction holding atoms together.
chemical formula		A combination of symbols and numbers that shows the ratio of the different kinds of atom that are in a particular compound.
compound		Substance that can be split up into simpler substances. It contains the elements of two or more atoms joined together.
element		A substance that cannot be split up into anything simpler by chemical reactions.
minerals		An element or compound that is found naturally on, or in, rocks.
molecule		Two or more atoms joined together.
oxide		A compound that contains oxygen.
periodic table		A table showing all the elements.

8Gb – Different changes

Word	Pronunciation	Meaning
decompose		Break down into simpler parts.
precipitate	<i>pres-sip-it-tate</i>	Insoluble solid produced by mixing two solutions.
precipitation	<i>pres-sip-it-tay-shun</i>	Chemical reaction which forms a solid by mixing two solutions.

8Gc – Pure dead brilliant

Word	Pronunciation	Meaning
mixture		Two or more different kinds of particles that are jumbled up with each other and not chemically joined to each other.
pure		A single substance that does not have anything else in it.

8Gd – The gold standard

Word	Pronunciation	Meaning
alloy		A metal with one or more other elements mixed in.
ductile		Able to be stretched into a thin wire.
malleable		Able to be easily hammered into different shapes.
unreactive		Difficult to get to react with other materials.

8Gd – Focus on: Electric jewellery

Word	Pronunciation	Meaning
electrodes		Solid conductors of electricity attached to a power supply in electrolysis.
electrolysis		Passing electricity through a compound when it is molten or in solution to break it down.
electroplating		Putting a thin coating of a metal onto another metal using electrolysis.

8Ge – Melt it down/The price of gold

Word	Pronunciation	Meaning
boiling point		The point at which a liquid rapidly turns into a gas. When a liquid is at its boiling point it is as hot as it can get. It is evaporating as fast as it can.
evaporate		When a liquid turns into a gas.
freezing point		The temperature at which a liquid turns into a solid.
melting point		The temperature at which a solid turns into a liquid.