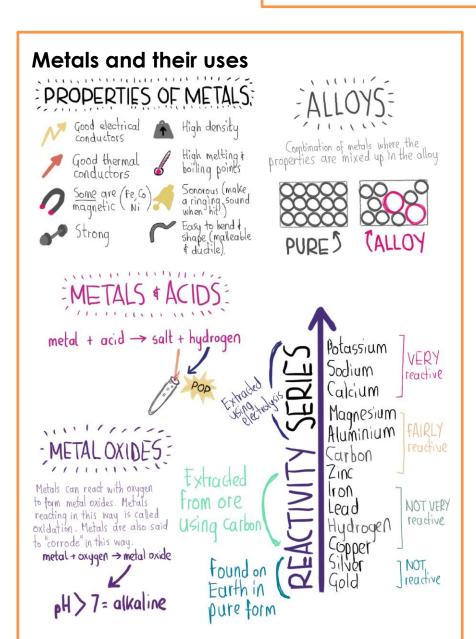
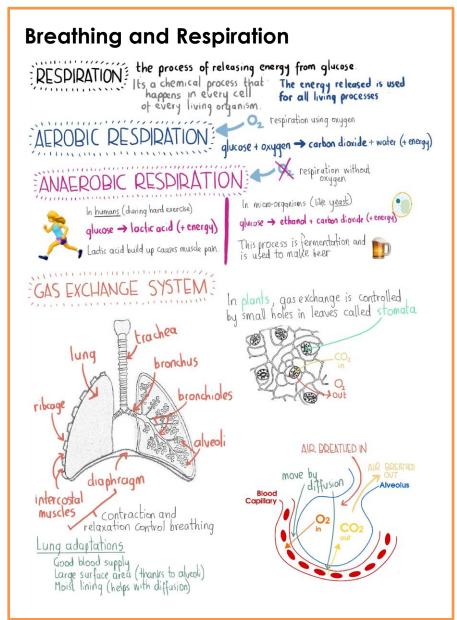


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Vocabulary

8G Metals and their uses

Word	Meaning
alloy	A metal with one or more other elements added to improve its properties.
catalyst	A substance that speeds up a reaction, without itself being used up.
chemical property	How a substance reacts with other substances.
composite material	A material made up of two or more substances. It has significantly different properties from the substances from which it is made.
corrosion	When something, such as stone or metal, reacts with chemicals in the air or water and gets worn away.
metal	Any element that is shiny when polished, conducts heat and electricity well, is malleable and flexible and often has a high melting point.
mixture	Two or more substances jumbled together but not joined to each other. The substances in mixtures can often be separated from each other.
non-metal	Any element that is not shiny, and does not conduct heat and electricity well.
physical property	A description of how a material behaves and responds to forces and energy. Hardness is a physical property.
pure	A single substance that does not have anything else in it.
reactive	A substance that reacts with many other substances or reacts very easily is reactive.

8C Breathing and Respiration

Word	Meaning
aerobic respiration	A type of respiration in which oxygen is used to release energy from substances, such as glucose.
anaerobic respiration	A type of respiration that does not need oxygen.
breathing	The movement of muscles that makes the lungs expand and contract.
diffusion	When particles spread and mix with each other without anything moving them.
excess post-exercise oxygen consumption (EPOC)	The need for extra oxygen after exercise to break down lactic acid and replace the oxygen lost from blood and muscle cells. A.K.A Oxygen debt.
gas exchange	When one gas is swapped for another. In the lungs, oxygen leaves the air and goes into the blood. At the same time, carbon dioxide leaves the blood and goes into the air in the lungs.
glucose	An important sugar that is used as a reactant in respiration.
haemoglobin	The substance that carries oxygen in red blood cells.
limewater	A solution of calcium hydroxide. It is clear and colourless but turns 'milky' in contact with carbon dioxide.
photosynthesis	A process that plants use to make their own food. It needs light to work.
ventilation	The movement of air in and out of your lungs.

