

ATOMS AND ELEMENTS – WORD LIST

- **acid** = a strong liquid that can burn holes in materials or damage your skin
- **alloy** = a metal that is made up of two or more metals mixed together
- **amino acid** = one of the substances that combine to form proteins
- **artist** = a person who paints or makes drawings
- **bacteria** = very small living things that can lead to illnesses
- **billion** = a number with 9 zeros
- **boil** = when a liquid becomes hot enough it turns into a gas
- **bombard** = to shoot at
- **bond** = two or more things become fixed together
- **building block** = the pieces or parts of an object
- **carbon** = a chemical substance that is in coal, oil or diamonds
- **carbon dioxide** = the gas that is produced when people or animals blow out air or when carbon is burned
- **chain** = line that is connected
- **charge** = electricity that is put into an electrical object, like a battery
- **chlorine** = a greenish yellow gas with a strong smell
- **combine** = to get together with
- **common** = you can find it very often
- **complicated** = not easy
- **compound** = is made up of two or more elements
- **condense** = if a gas becomes a liquid
- **consist** = made up of
- **copper** = a reddish-brown metal used to make wires and pipes
- **corrode** = to rust
- **create** = make
- **creature** = anything that is living
- **crown** = a top for a bad tooth
- **decorate** = to make something look nice by putting objects on it
- **diameter** = a straight line from one side of a circle to the other
- **drilling head** = the bottom part of a tool that you use to drill a hole into the earth to find oil or gas
- **electrical charge** = electricity that is put into an electrical object, like a battery
- **engine** = motor, a machine that produces power
- **feature** = characteristic, quality
- **fertilizer** = something that you put into the soil to make plants grow
- **fission** = when you split atoms to produce energy
- **fuel** = material like coal or oil that can be burned to make energy
- **gain** = to get one more of something
- **graphite** = a soft black material you can find in pencils
- **haemoglobin** = a red substance in your body that has iron in it and carries oxygen
- **hydrocarbon** = a compound made up of hydrogen and carbon
- **hydrogen** = a colourless gas that is the lightest of all elements
- **in combination with** = together with
- **inhale** = to breathe in something
- **inorganic** = everything that is not organic
- **iron** = a hard metal that is used to make steel
- **isotope** = different forms of an element
- **jewellery** = small things made of gold or silver that you wear
- **laboratory** = a special room in which scientists make experiments
- **lead** = a soft grey metal that melts very easily. It can be found in pencils.
- **limestone** = a kind of rock that has calcium in it
- **liquid** = something that is not solid or gas, like water
- **lose** = if you don't have something anymore

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- **magnesium** = a silver, white metal that burns with a bright white flame
- **mass** = the amount of material in something
- **melt** = if something changes from solid to liquid
- **mine** = to dig large holes in the ground to get raw materials
- **mixture** = combination, mix
- **molecule** = the smallest unit made up of two or more atoms
- **naturally** = by nature and not with the help of scientists
- **nitrogen** = a gas that has no smell or colour; it forms most of the Earth's atmosphere
- **noble gas** = a pure gas that does not combine with other materials
- **nucleus** = the middle part of an atom with protons and neutrons
- **occur** = can be found
- **orbit** = to travel around an object in a circle
- **ore** = a rock that has metal in it
- **organic** = something that is living or is made by living things
- **ounce** = a unit for measuring weight = 28.35 grams
- **outer** = far away from the centre
- **oxygen** = a gas that is in our air and that we need to live
- **particle** = a very small piece of something
- **periodic table** = a list of elements that are in groups
- **petrol** = a liquid that comes from oil. It makes your car drive
- **poisonous** = a substance or material that can hurt or kill you
- **polish** = to make something bright and shiny
- **pots and pans** = steel objects that are used for cooking
- **power** = to make something run or work
- **power plant** = a building where electricity is produced
- **pressure** = the weight or power that you put on something
- **pure** = something that is not mixed with anything else
- **radioactivity** = if an atom sends out energy when the nucleus breaks apart
- **ray** = a line of light
- **react** = to change when mixed with something else
- **reactor** = a large machine that can produce nuclear energy
- **rise** = to go up
- **rust** = a reddish-brown substance that forms on iron or steel when it gets wet
- **scientist** = a person who is trained in science
- **shape** = the form that something has
- **share** = to have the same
- **sheet** = layer
- **shell** = path, layer
- **sodium** = a silver white metal that usually exists together with other chemicals, for example in salt
- **solid** = an object that is not a gas or a liquid
- **split up** = to divide into two or more parts
- **structure** = the ways things are connected to each other
- **suffer from** = to have pain
- **surface** = the top layer of an object
- **tie** = to hold together
- **tin** = a soft white metal that is often used to cover and protect steel
- **uranium** = a heavy white metal that is radioactive and used to produce nuclear power and bombs
- **use** = function, purpose
- **weight** = how heavy something is
- **wire** = thin metal that has the form of a thread; it is used to carry electricity or telephone signals