

Matter Vocabulary

Term	What I THINK this word means	What I KNOW this word means
Matter		Anything that has mass and takes up space
Atoms		Building blocks of matter
Nucleus		Center of atom- protons & neutrons- mass of atom
Proton		Positive part of nucleus
Neutron		Neutral part of nucleus
Electron		Negative part of atom that orbits nucleus
Element		Made up of only one kind of atom
Molecule		Atoms bonded together
Theory		Explanation based on facts
Chemical Property		Description of how a substance can change
Physical Property		Description of a substance without changing
Phase (state) of Matter		Particle motion
Phase Change		Change in particle motion
Dissolve		A solid mixes with a liquid to make a solution
Conduct		To allow heat or electricity to travel through
Density		Mass per unit of volume
Flammable		Ability to burn
React		Can change into a new substance
Corrode		Eat or wear away
Combust		To burn

Malleable		Ability to be molded into a different shape
Chemical Change		Change in the chemical make-up of a substance
Physical Change		An object changes a physical property
Reaction		Substance changes into a different substance
Exothermic		Heat is given off in chemical reaction
Endothermic		Heat is absorbed in a chemical reaction
Precipitate		Solid is formed from two liquids
Chemical Equation		Reactants → products
Natural Resources		Found in nature
Synthetic		Man-made
Solid		Particles close together, takes shape of its container, particles vibrating in place
Liquid		Particles moving faster, particles take the shape of their container
Gas		Particles moving freely
Heat Energy		Movement and speed of particles
Reactants		Starting substance in a chemical reaction
Products		What is produced (formed or made) in a chemical reaction
Conservation of Matter		Matter cannot be created nor destroyed
Convection		Heat transfer by hot fluids rising, cooling, sinking and forming a current
Conduction		Heat transfer by direct contact
Radiation		Heat transfer without touching- through empty space
Insulator		Stops or slows the flow of energy
Conductor		Easily allows energy to transfer
Current		A body of water or air moving in a definite direction
Energy		The ability to do work