Weeks 6 & 7: "The Properties of Matter" Vocabulary Help

NB: The below definitions are "starting points" only. Be sure to update with your own clarifying notes, definitions and examples from your readings and from class discussions to fully prepare for quizzes and tests!

Matter	Anything that has mass and takes up space
Volume	A measure of the size of a body or region in three-dimensional space (know how to find for
	irregular shape or rectangular prism)
Meniscus	The curve at a liquids surface by which one measures the volume of the liquid
Mass	A measure of the amount of matter in an object
Weight	A measure of the gravitational force exerted on an object; its value can change with the
	location of an object in the universe
Newton (N)	The SI unit which measure weight (to convert weight to mass, recall that $1 \text{N} = 100 \text{g}$)
Inertia	The tendency of an object to resist being moved or, if the object is moving, to resist a
	change in speed or direction until an outside force acts on the object
Density	The ratio of the mass of a substance to the volume of the substance (D=m/v); Know
	definition, formula and units!
Density of H ₂ O	1.00 g/cm ³
Chemical	A property of matter which describes a substance's ability to participate in chemical
Property	reactions; Know list of chemical properties!
Chemical Change	A change that occurs when one or more substances change into entirely new substances
	with different properties
Physical Change	A change of matter from one form to another without a change in chemical properties
Physical Property	A characteristic of a substance that does not involve a chemical change, such as density,
	color, or hardness; Know list of physical properties!
Thermal	The rate at which a substance transfers heat.
Conductivity	
State	The physical form in which a substance exists
Solubility	The ability of one substance to dissolve in another at a given temperature and pressure
Ductility	The ability of a substance to be pulled into a wire
Malleability	The ability of a substance to be rolled or pounded into thin sheets
Characteristic	The properties that are most useful in identifying a substance because they are always the
Property	same no matter what the sample size is; These can be physical or chemical properties (ex.
	density, solubility, flammability, reactivity)
Three States of	The physical forms of matter, which include solid, liquid, and gas
Matter	