

atom

the smallest
particle of
an element

matter

anything that
takes up space
and has mass

solid

matter with a definite
shape and volume;
has tightly packed
particles that move
mainly by vibrating

liquid

matter with definite
volume but no
definite shape that
can flow from one
place to another

viscosity

a liquid's
resistance to flow;
the thicker the
liquid the higher
the viscosity

surface tension

the uneven forces
acting on the
particles on the
surface of a liquid

gas

matter that does not
have a definite shape or
volume; has particles
that move at high
speeds in all directions

thermal energy

the total kinetic
and potential
energy of all the
particles in a
sample of matter

temperature

measure of the
average kinetic
energy of the
individual particles
of a substance

heat

movement of thermal
energy from a
substance at a higher
temperature to a
substance at a lower
temperature

melting

change of
matter from a
solid state to a
liquid state

freezing

change of
matter from a
liquid state to a
solid state

vaporization

the process by
which a liquid
changes into a
gas

condensation

the process of
changing from
a gas to a liquid

