

Observation

Taking in
information
using your 5
senses.

atom

The smallest
piece of an
element you
can have.

Inference

Drawing
conclusions using
observations and
background
knowledge.

proton

Found in an
atom 's nucleus,
positive charge.

**Independent
variable**

The part of the experiment you change on purpose.

Neutron

Found in an atom's nucleus, no charge.

Electron

Negative charge, circles around an atom's nucleus.

**Qualitative
data**

Data that is descriptive, qualities or characteristics.

**Quantitative
data**

**Data that is
numbers.**

Mass

The amount of
matter in an object.
A measure of an
object's inertia.

Volume

The amount of
space an object
takes up.

**Dependent
Variable**

b. The part of an
experiment that
reacts to something
you change on
purpose.

evaporation

Changing
from a liquid
to a gas.

condensation

Changing
from gas to
liquid.

melting

Changing
from solid
to liquid.

freezing

Changing
from liquid
to solid.