

# Unit Three Test Review

Define matter, mass, and volume.

Identify physical properties of matter.

Identify chemical properties of matter

List examples of chemical and physical properties of matter.

Explain the difference between mass and weight.

Define and give examples of physical changes in matter.

Define and give examples of chemical changes in matter.

State the law of conservation of mass.

Describe elements and atoms.

Describe compounds, molecules, and crystals.

Explain the difference between elements and compounds.

Explain the difference between pure substances and mixtures.

Define mixture, and identify types of mixtures.

Explain the difference between homogenous and heterogeneous mixtures.

Describe matter in the solid state.

State properties of liquid matter

Identify properties of gases.

Describe plasma.

Explain the relationship between energy and states of matter.

Explain the role of energy in changes of state.

Outline the processes of freezing and melting.

Describe vaporization and condensation.

Define sublimation and deposition

Define melting, boiling, freezing, condensation points.

Define pressure,

State the gas laws.( Amonton's, Charles's, Boyle's)

Be able to explain the relationships between the following properties of gases when one changes and two of the others are held constant. (amount of gas, volume, pressure, temperature)