**Guided Notes: Thermal Energy Answers**

Thermal energy

Temperature

faster

Potential energy

Law of Conservation of Energy

kinetic energy, potential energy

boiling

heat, kinetic energy, move rapidly

heat energy, kinetic energy, transition

**Guided Notes: A Mystery Investigation**

characteristic property

chemical reaction

scientific investigation

Indicators

characteristic property

chemical reaction

**Guided Notes: Mass, Weight, and Density**

amount

downward

acceleration

inertia

ratio

Mass/Volume

inertia

mass

**Guided Notes: Separating Mixtures**

mixture

pure substance

Solubility

Vapor

Filtration

Magnetism

Vapor

**Guided Notes: Synthetic Materials, Natural Resources**

natural resource

polymer

synthetic material

oil

natural gas

polymer