

Matter

Study Guide & Review Worksheets

Matter

Terms to Know

- **Matter**, Anything that has mass and takes up space
- **Mass**, The amount of matter in an object
- **Atoms**, Tiny particles that matter can be subdivided into

Mixtures and Solutions

Mixtures

A mixture is when two or more substances are combined. They do not lose their characteristics.

Examples



soil



concrete



mud puddle

Solutions

Solutions are a special type of mixture in which one substance is uniformly dissolved in a liquid.

Examples



sugar water



soda



salt water

Temperature and Phase Changes

Matter can change from one state to another when the temperature increases or decreases.

When the temperature increases, a solid will change to a liquid and then to a gas.

Example:

When a pot of water is put on a hot stove, it boils. The liquid water changes to water vapor.



When the temperature decreases, a gas will change to a liquid and then to a solid.

Example:

When liquid freeze pops are put into a freezer, they become solid.



Mass and Phase Changes

Matter does not gain or lose mass during phase changes.

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Terms to Know

Anything that has mass and takes up space. Matter in an object can be subdivided into atoms.

Mixtures and Solutions

Solutions

Solutions are a special type of mixture in which one substance is uniformly dissolved in a liquid.

List 3 examples:

Temperature and Phase Changes

Matter can change from one state to another when the temperature increases or decreases.

When the temperature increases, a solid will change to a liquid and then to a gas.

Example:

Mass and Phase Changes

Matter does not gain or lose mass during phase changes.

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Matter Study Guide

Lei Shi

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

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In a global inundated with displays and the cacophony of fast connection, the profound power and psychological resonance of verbal art frequently fade in to obscurity, eclipsed by the regular onslaught of sound and distractions. Yet, set within the lyrical pages of **Matter Study Guide**, a captivating perform of literary brilliance that pulses with natural thoughts, lies an unique trip waiting to be embarked upon. Penned by way of a virtuoso wordsmith, this mesmerizing opus guides visitors on a mental odyssey, gently exposing the latent possible and profound affect embedded within the complicated web of language. Within the heart-wrenching expanse with this evocative examination, we shall embark upon an introspective exploration of the book is main themes, dissect its interesting writing style, and immerse ourselves in the indelible effect it leaves upon the depths of readers souls.

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