# Topics: Types of Matter

## States of Matter

* Matter primarily exists as solid, liquid, gas, or plasma.
* Solids have fixed shapes and volumes due to closely packed particles.
* Liquids have a fixed volume but take the shape of their container.
* Gases have neither a fixed shape nor volume, with particles that spread out freely.

## Properties of Matter

* Matter has physical properties like density, mass, and volume.
* Chemical properties determine how a substance reacts with others, like flammability and reactivity.