

Changing States: Chocs Away!

Vocabulary

Matter	Anything that takes up space is called matter. Air, water, rocks, and even people are examples of matter.
Particles	Particles are tiny bits of matter that make up everything in the universe.
Atoms	Atoms are extremely small and are made up of a few even smaller particles. Atoms fit together with other
Molecules	Any time two atoms join together, they make a molecule.
Volume	Volume is the amount of space the object takes up.
Evaporation	Evaporation happens when a liquid substance becomes a gas. When water
Condensation	As water vapor in the clouds cools down it becomes water again, this pro-
Reversible	A reversible change is a change that can be undone or reversed
Irreversible	A irreversible change is a change that cannot be undone or reversed

Key Questions

How can I group and classify a range of materials?

What is a state of matter?

How does matter change state?

Do all materials change state when they are heated or cooled?

Are all changes of state reversible?

What is the water cycle?

Key Information

- ◆ The atoms and molecules don't change, but the way they move about does.
- ◆ When a solid turns into a liquid it is called melting.
- ◆ When a liquid changes into gas, it is called evaporation.
- ◆ When a gas changes into a liquid, it is called condensation.
- ◆ The water cycle is powered by the Sun: heat makes water evaporate, before it cools and condenses and falls back to the ground.

