

Matching activity:

Objective: match the properties and characteristics to the correct state of matter.

Instructions: Cut the properties/characteristics and have the students match them to the corresponding state of matter.

Key:

Gas	Liquid	Solid
Assumes both volume and shape of its container	Assumes shape of portion of container it occupies	Retains own shape and volume
Expands to fill its container	Does not expand to fill its container	Does not expand to fill its container
Is compressible	Is virtually incompressible	Is virtually incompressible
Flows readily	Flows readily	Does not flow
Diffusion within a gas occurs rapidly	Diffusion within a liquid occurs slowly	Diffusion within a solid occurs extremely slowly

*The atoms in a solid are able to vibrate in place. As the temperature of the solid increases, the vibrational motion increases.

Gas

Liquid

Solid

Retains own shape and volume

Assumes both volume and shape of its container

Assumes shape of portion of container it occupies

Expands to fill its container

Does not expand to fill its container

Does not expand to fill its container

Is compressible

Is virtually incompressible

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Flows readily

Flows readily

Doesn't flow

Diffusion occurs rapidly

Diffusion occurs slowly

Diffusion occurs extremely slowly