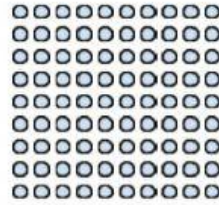# Phases of Matter Grid Mix-up

DRAG AND DROP FROM PAGE 2 TO FILL IN THE GRID.

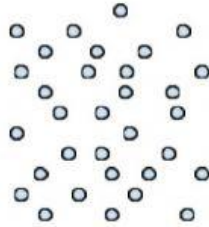| Phase	Definition	Properties	Particle Model	2 Examples
Solid				
Liquid				
Gas				

Soda
mercury

- particles farther apart

- particles slide past each other

- higher energy state

- take shape of container

A state of matter that has definite volume but NO definite shape

A state of matter that has NO definite shape and NO definite volume

Carbon dioxide
Helium

- particles close together

- particles vibrate

- lowest energy state

- keep shape

- particles even farther apart

- highest energy state

- fill all areas of container

Playdough
pencil

A state of matter that has definite shape and definite volume