

States of Matter Word Search

This puzzle reviews the particle model of matter, the idea that all matter is made of tiny particles that move and have spaces between them ([Knowledge](#)). In Grade 5 you investigate how solids, liquids, and gases differ in how their particles move and are arranged ([Outcome](#), [Skills](#)), and you compare physical properties like density and compressibility ([Knowledge](#)). Words like HEATING, COOLING, EVAPORATE, and CONDENSE describe changes between states, while VIBRATE and PARTICLE describe what is happening on the inside ([Knowledge](#), [PDF p.3](#)).

How to play

- Find each word from the list hidden in the grid below. Words may run across, down, or diagonally.
- Circle or highlight each word as you find it, then cross it off your word list.
- When you finish, pick three words and use them in a sentence that explains something about solids, liquids, or gases.

Words to find

- COMPRESS
- CONDENSE
- COOLING
- DENSER
- DENSITY
- EVAPORATE
- HEATING
- PARTICLE
- VIBRATE
- VOLUME

Puzzle grid

C	D	X	W	V	L	D	W	R	E	W
O	I	Q	A	O	R	M	P	Z	K	W
O	C	B	D	E	N	S	I	T	Y	E
L	P	G	B	V	B	T	M	J	X	C
I	G	M	P	A	R	T	I	C	L	E
N	C	O	M	P	R	E	S	S	E	D
G	I	F	C	O	N	D	E	N	S	E
Y	G	X	V	R	Z	Q	I	P	N	N
V	I	B	R	A	T	E	Y	B	R	S
I	T	Q	W	T	V	O	L	U	M	E
H	K	U	H	E	A	T	I	N	G	R

Answer key

- **COMPRESS**: row 6, column 2, across
- **CONDENSE**: row 7, column 4, across
- **COOLING**: row 1, column 1, down
- **DENSER**: row 6, column 11, down
- **DENSITY**: row 3, column 4, across
- **EVAPORATE**: row 3, column 5, down
- **HEATING**: row 11, column 4, across
- **PARTICLE**: row 5, column 4, across
- **VIBRATE**: row 9, column 1, across
- **VOLUME**: row 10, column 6, across