

The Particle Model of Matter Word Search

Every solid, liquid, and gas is made of tiny particles that are always moving ([PDF p.1](#), [Knowledge](#)). This word search reviews key terms from our unit, including how particle movement, arrangement, and density help explain the properties of matter ([Understanding](#), [Knowledge](#)). As you search, think about how a solid's particles vibrate in place while a gas's particles move freely through space ([Knowledge](#)).

How to play

- Find all 8 words 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 the word list.
- When you finish, use the answer key to check your work.

Words to find

- ARRANGEMENT
- DENSITY
- MOVEMENT
- PARTICLE
- PROPERTY
- SOLID
- VIBRATE
- VOLUME

Puzzle grid

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

Answer key

- **ARRANGEMENT**: row 7, column 2, across
- **DENSITY**: row 5, column 11, down
- **MOVEMENT**: row 2, column 3, diagonal
- **PARTICLE**: row 5, column 4, down
- **PROPERTY**: row 3, column 8, down
- **SOLID**: row 5, column 7, across
- **VIBRATE**: row 4, column 5, across
- **VOLUME**: row 10, column 2, across