

Particle Model of Matter Word Search

The particle model of matter explains how all substances are made of tiny particles ([Knowledge](#), [PDF p.1](#)). In this model, particles are always moving and have spaces between them. The movement and arrangement of particles determine the physical properties of matter, including volume, density, and how easily a substance can compress ([Knowledge](#), [Understanding](#)). As you search for words about particles, arrangement, behaviour, vibration, and movement, you will review the key ideas that help us understand solids, liquids, and gases ([Outcome](#)).

How to play

- Find each word in the grid by reading left to right, right to left, up, down, or diagonally.
- Circle or highlight each word as you find it.
- Some letters may be part of more than one word.

Words to find

- ARRANGEMENT
- BEHAVIOUR
- COMPRESS
- DENSITY
- MOVEMENT
- PARTICLE
- VIBRATE
- VOLUME

Puzzle grid

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

Answer key

- **ARRANGEMENT**: row 5, column 2, across
- **BEHAVIOUR**: row 2, column 2, down
- **COMPRESS**: row 3, column 9, down
- **DENSITY**: row 7, column 11, down
- **MOVEMENT**: row 8, column 6, across
- **PARTICLE**: row 4, column 1, diagonal
- **VIBRATE**: row 2, column 4, down
- **VOLUME**: row 1, column 5, diagonal