

Enthalpy Changes and Calorimetry Word Search

In Chemistry 30, you use calorimetry to measure enthalpy changes in chemical reactions ([Outcome](#)). A calorimeter measures the heat released or absorbed during combustion and other processes ([Resource](#)). Understanding calorimetry, enthalpy, and the notation used to communicate energy changes allows you to analyze thermochemical data with precision ([Outcome](#)). This word search reinforces the key vocabulary you need to master thermochemical calculations and laboratory work.

How to play

- Find and circle each word in the grid. Words may run horizontally, vertically, or diagonally in any direction (forward or backward).
- Use the word list below to check off each term as you locate it.
- Medium difficulty: some words overlap or share letters with adjacent words.

Words to find

- CALORIMETER
- CALORIMETRY
- COMBUSTION
- ENTHALPY
- EXOTHERMIC
- NOTATION
- PRECISION
- TEMPERATURE

Puzzle grid

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

Answer key

- **CALORIMETER**: row 2, column 3, diagonal
- **CALORIMETRY**: row 10, column 3, across
- **COMBUSTION**: row 4, column 11, down
- **ENTHALPY**: row 5, column 5, down
- **EXOTHERMIC**: row 1, column 4, across
- **NOTATION**: row 4, column 6, down
- **PRECISION**: row 2, column 5, across
- **TEMPERATURE**: row 1, column 7, down