

Hangman: Enthalpy and Calorimetry

In Chemistry 30, you apply the relationship $Q = mc\Delta T$ to transfer in calorimetry experiments ([Outcome](#)). You define enthalpy and molar enthalpy for chemical reactions ([Outcome](#)), use calorimetry data to determine enthalpy changes ([Outcome](#)), and interpret energy changes ([Outcome](#)). This game tests your vocabulary for the key concepts and laboratory techniques in thermochemical analysis.

How to play

Each puzzle is a word or phrase from Unit A: Thermochemical Changes. Guess one letter at a time. You have eight wrong guesses before the game ends. Correct letters appear in their positions. Wrong guesses reduce your remaining attempts.

Puzzles

Round 1 (7 letters)

T _ _ _ _ _

Clue: Relating to heat or temperature changes ([Resource](#))

Wrong guesses: _ _ _ _ _

Round 2 (10 letters)

C _ _ _ _ _

Clue: Burning process that releases energy as heat and light ([Resource](#))

Wrong guesses: _ _ _ _ _

Round 3 (11 letters)

T _ _ _ _ _

Clue: Measure of average kinetic energy of particles, used in $Q = mc\Delta T$ ([Outcome](#))

Wrong guesses: _ _ _ _ _

Round 4 (9 letters)

P _ _ _ _ _

Clue: Consistency and accuracy of repeated measurements in an experiment ([Resource](#))

Wrong guesses: _ _ _ _ _

Answer key

- Round 1: **THERMAL**
- Round 2: **COMBUSTION**
- Round 3: **TEMPERATURE**
- Round 4: **PRECISION**