

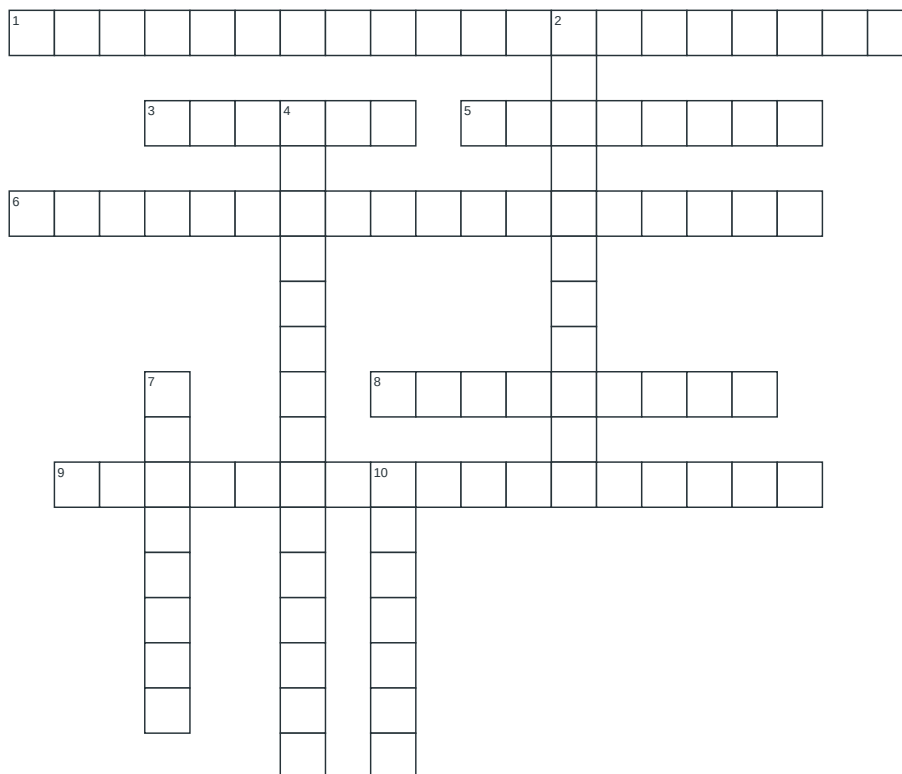
Thermochemistry Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

**ACROSS**

1. Energy required to raise the temperature of a unit mass by one degree
3. Subatomic particle that carries a positive electric charge
5. Homogeneous mixture in which a solute is dispersed in a solvent.
6. A process that absorbs heat from its surroundings
8. Substances present before and consumed in a reaction

ACROSS (continued)

9. A process that releases heat to its surroundings

DOWN

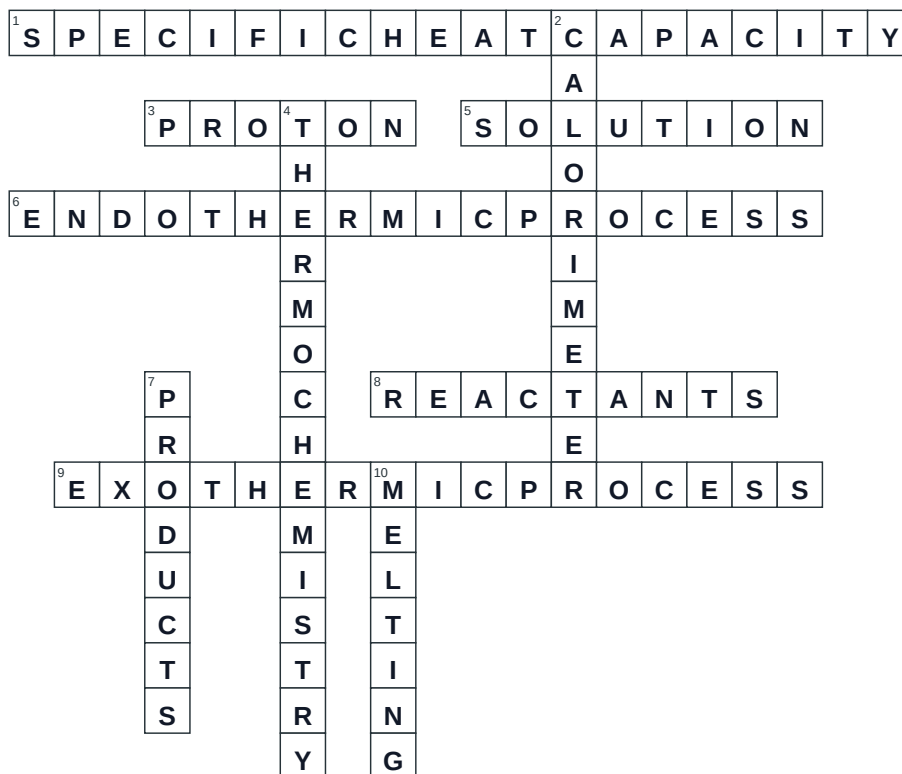
2. Instrument is used to measure heat transfer in a process
4. Energy changes accompanying chemical processes
7. Substances formed by a chemical reaction
10. Phase change in which a solid becomes a liquid.

Thermochemistry Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Specific Heat Capacity
3. Proton
5. Solution
6. Endothermic Process
8. Reactants
9. Exothermic Process

DOWN

2. Calorimeter
4. Thermochemistry
7. Products
10. Melting

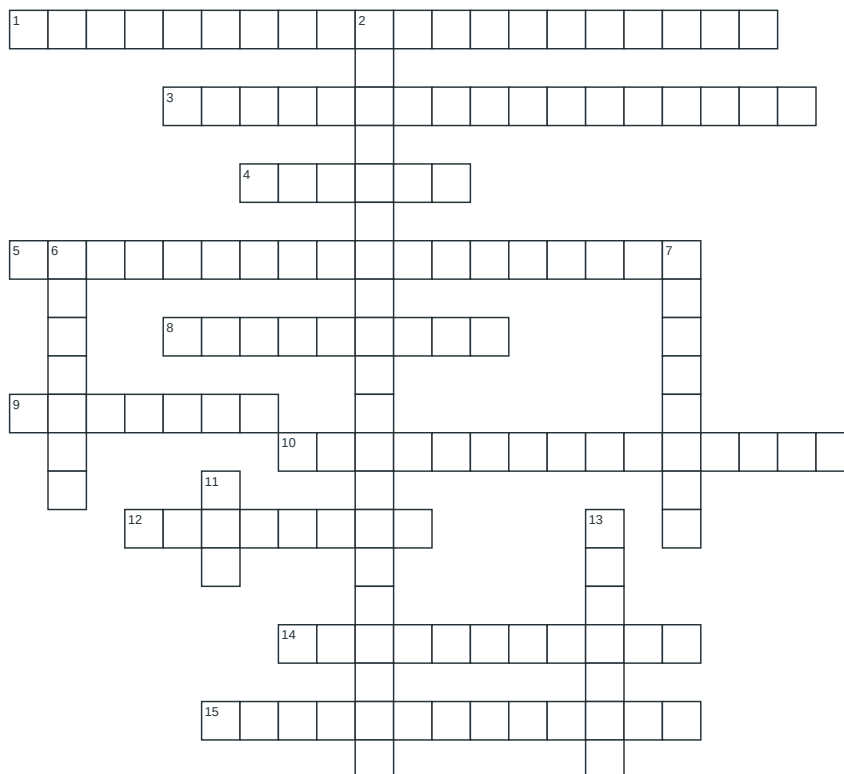
Thermochemistry Crossword

Medium | 15 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.

**ACROSS**

1. Energy required to raise the temperature of a unit mass by one degree
3. A process that releases heat to its surroundings
4. Subatomic particle that carries a positive electric charge
5. A process that absorbs heat from its surroundings
8. Substances present before and consumed in a reaction
9. Phase change in which a solid becomes a liquid.
10. Energy changes accompanying chemical processes
12. Substances formed by a chemical reaction
14. Instrument is used to measure heat transfer in a process

ACROSS (continued)

15. Electron locations are described by regions of probability

DOWN

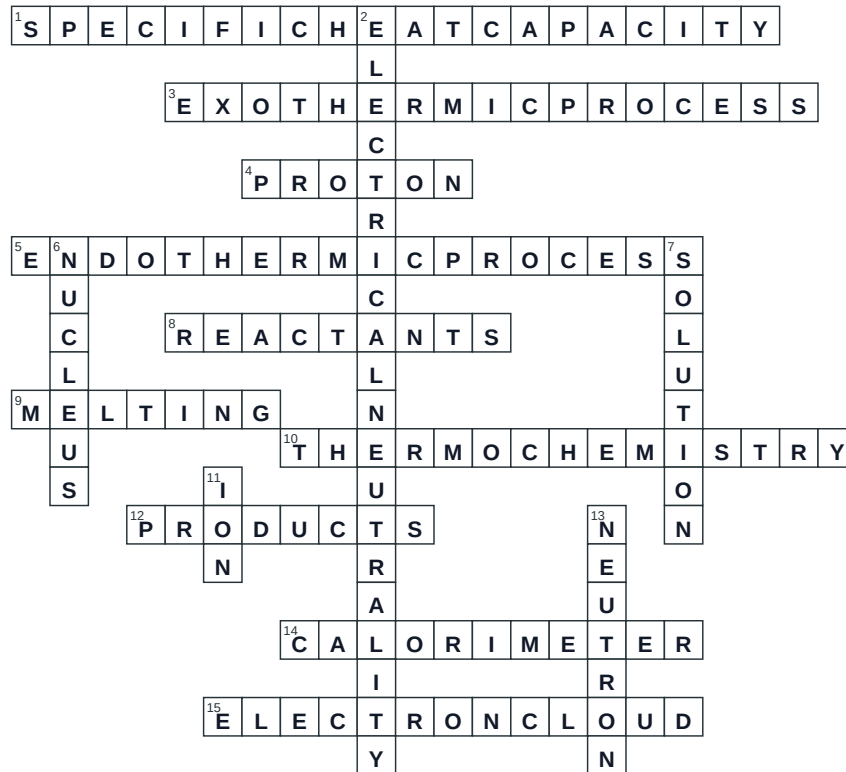
2. Condition in which positive and negative charges balance.
6. Membrane-bound organelle that contains most eukaryotic DNA.
7. Homogeneous mixture in which a solute is dispersed in a solvent.
11. Atom or group of atoms with a net electric charge.
13. Subatomic particle that has no electric charge

Thermochemistry Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Specific Heat Capacity
3. Exothermic Process
4. Proton
5. Endothermic Process
8. Reactants
9. Melting
10. Thermochemistry
12. Products

ACROSS (continued)

14. Calorimeter
15. Electron Cloud

DOWN

2. Electrical neutrality
6. Nucleus
7. Solution
11. Ion
13. Neutron

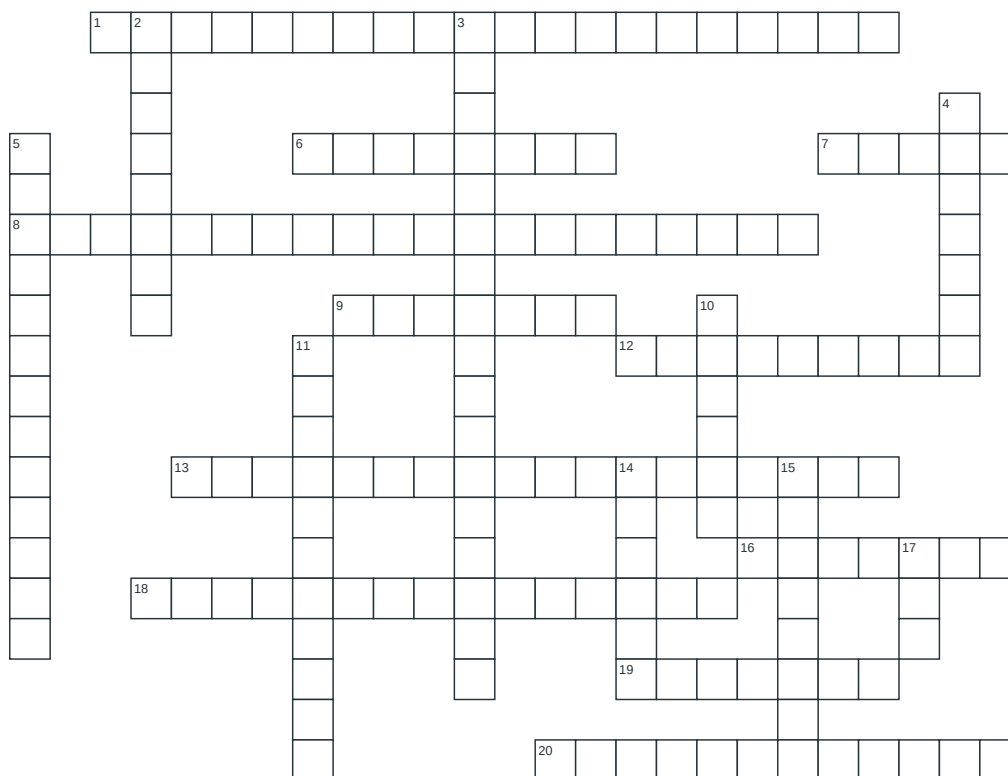
Thermochemistry Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

Directions: Use the clues to complete the grid. Omit spaces, punctuation, and hyphens.



ACROSS

1. Energy required to raise the temperature of a unit mass by one degree
6. Homogeneous mixture in which a solute is dispersed in a solvent.
7. Definition of a vertical column of the periodic table called
8. Condition in which positive and negative charges balance.
9. Pure substance made of only one type of atom.
12. Substances present before and consumed in a reaction
13. A process that absorbs heat from its surroundings
16. Phase change in which a solid becomes a liquid.
18. Energy changes accompanying chemical processes
19. Subatomic particle that has no electric charge
20. Number of protons in an atom's nucleus.

DOWN

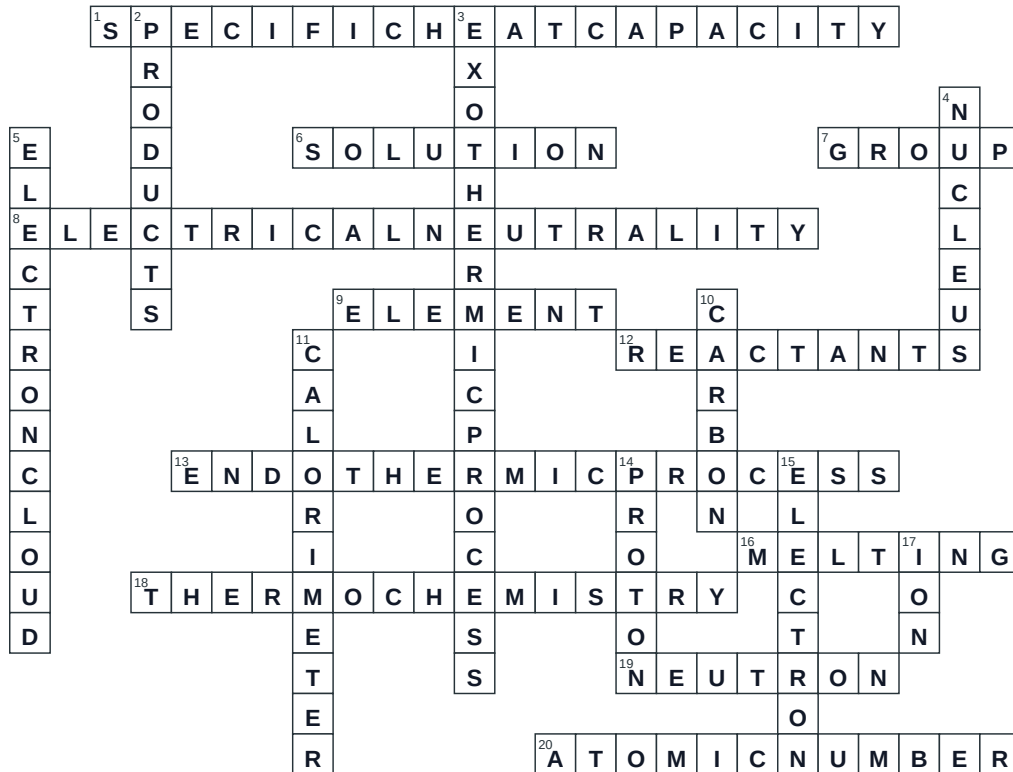
2. Substances formed by a chemical reaction
3. A process that releases heat to its surroundings
4. Membrane-bound organelle that contains most eukaryotic DNA.
5. Electron locations are described by regions of probability
10. Element that forms the backbone of most organic molecules
11. Instrument is used to measure heat transfer in a process
14. Subatomic particle that carries a positive electric charge
15. Definition of a beta-minus particle emitted in nuclear decay
17. Atom or group of atoms with a net electric charge.

Thermochemistry Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

Completed grid and numbered answers. Spaces and punctuation are omitted in the grid.



ACROSS

1. Specific Heat Capacity
6. Solution
7. Group
8. Electrical neutrality
9. Element
12. Reactants
13. Endothermic Process
16. Melting
18. Thermochemistry
19. Neutron
20. Atomic number

DOWN

2. Products
3. Exothermic Process
4. Nucleus
5. Electron Cloud
10. Carbon
11. Calorimeter
14. Proton
15. Electron
17. Ion