

Energy Resources and Conversion Crossword

Easy | 10 clues | Student Worksheet

Name: _____

Date: _____

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

[illegible]

ACROSS

4. Power is the rate of energy transfer
6. Device that converts chemical energy into electrical energy through a reaction
7. Useful output energy with total input energy
8. Orientation of motion, needed to describe a velocity vector.
9. Form of energy is stored in a charged battery

ACROSS (continued)

- 10.** Device that converts light energy directly into electrical energy

DOWN

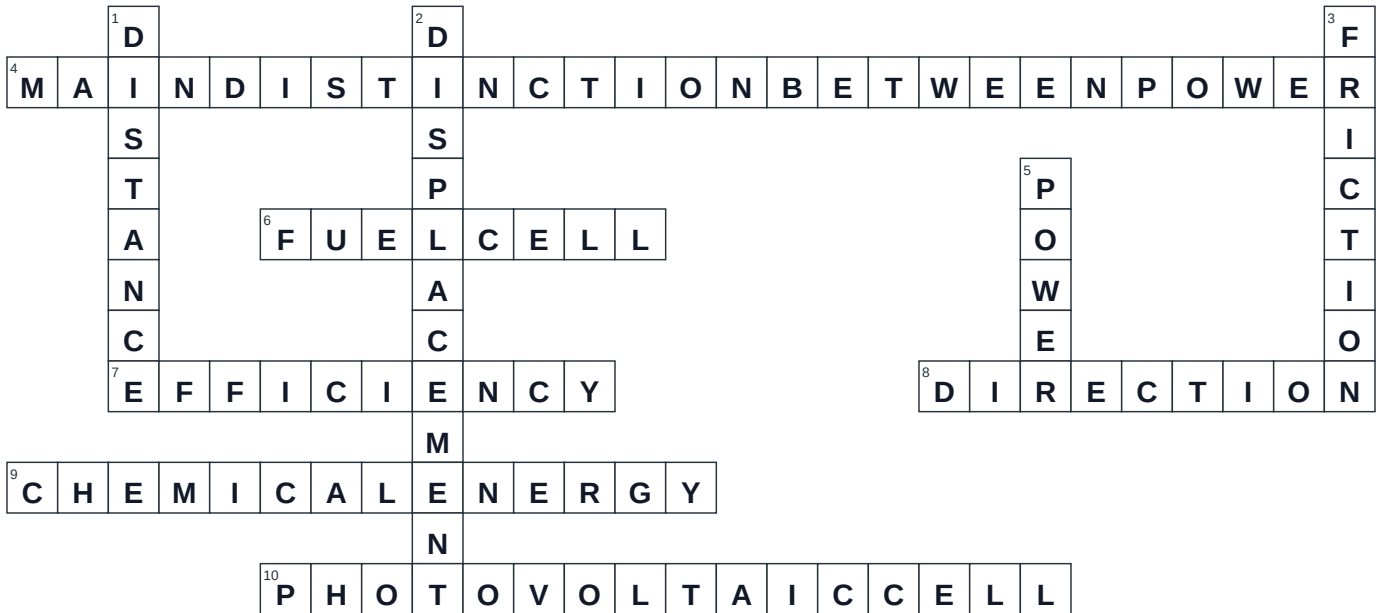
1. The total length of a traveled path
2. The directed change from initial to final position
3. Force that opposes relative motion between surfaces in contact.
5. The rate of energy transfer or work

Energy Resources and Conversion Crossword

Easy | 10 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

4. Main Distinction Between Power
6. Fuel Cell
7. Efficiency
8. Direction
9. Chemical Energy
10. Photovoltaic Cell

DOWN

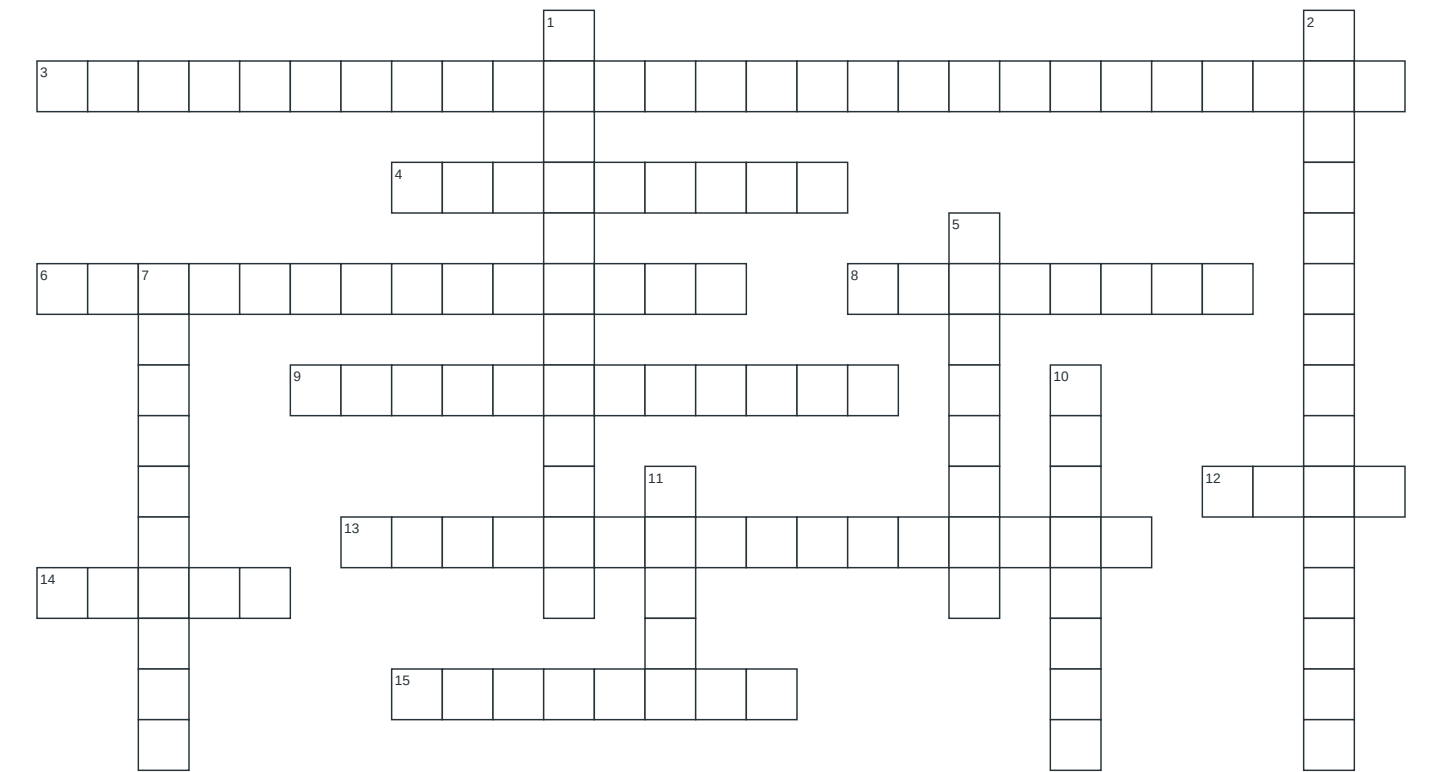
1. Distance
2. Displacement
3. Friction
5. Power

Energy Resources and Conversion Crossword

Medium | 15 clues | Student Worksheet

Name: _____ Date: _____

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



ACROSS

- 3. Power is the rate of energy transfer
- 4. Orientation of motion, needed to describe a velocity vector.
- 6. Form of energy is stored in a charged battery
- 8. Force that opposes relative motion between surfaces in contact.
- 9. The directed change from initial to final position
- 12. State in which position does not change relative to a chosen reference point.
- 13. Device that converts light energy directly into electrical energy

ACROSS (continued)

- 14. Quantity that is a scalar
- 15. The vector sum of all forces acting on an object

DOWN

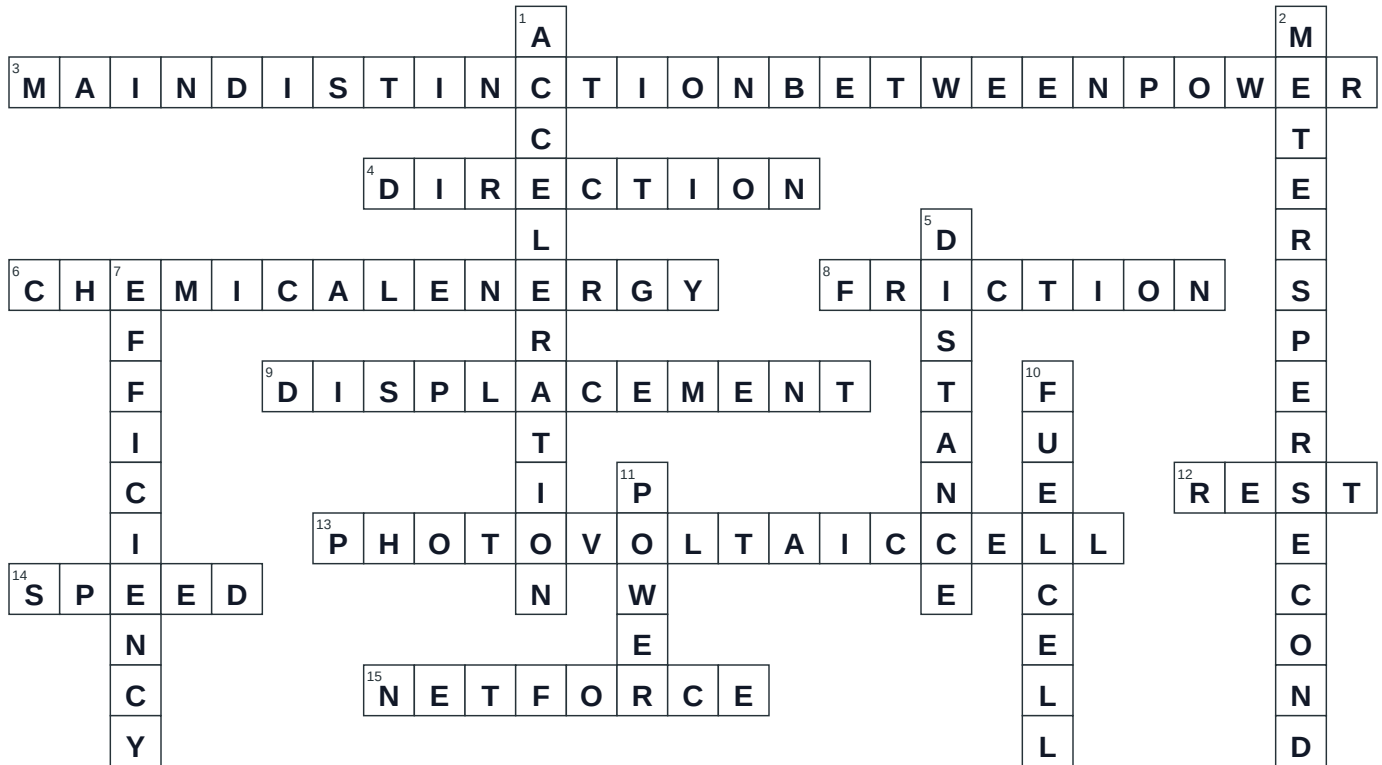
- 1. Change in velocity per unit time.
- 2. SI-derived unit commonly used to measure speed or velocity.
- 5. The total length of a traveled path
- 7. Useful output energy with total input energy
- 10. Device that converts chemical energy into electrical energy through a reaction
- 11. The rate of energy transfer or work

Energy Resources and Conversion Crossword

Medium | 15 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

- 3. Main Distinction Between Power
- 4. Direction
- 6. Chemical Energy
- 8. Friction
- 9. Displacement
- 12. Rest
- 13. Photovoltaic Cell
- 14. Speed

ACROSS (continued)

- 15. Net Force
- ### DOWN
- 1. Acceleration
 - 2. Meters per second
 - 5. Distance
 - 7. Efficiency
 - 10. Fuel Cell
 - 11. Power

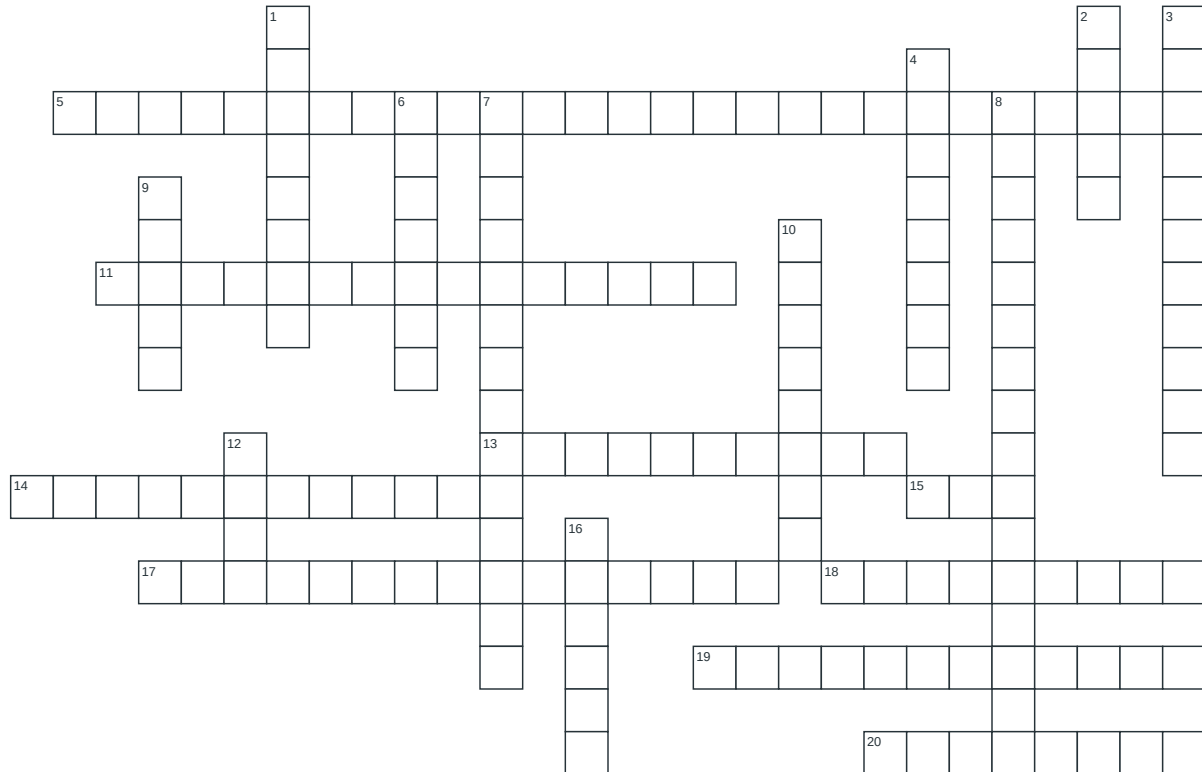
Energy Resources and Conversion Crossword

Hard | 20 clues | Student Worksheet

Name: _____

Date: _____

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



ACROSS

5. Power is the rate of energy transfer
11. Forces between interacting objects are equal in magnitude and opposite in direction.
13. Useful output energy with total input energy
14. Change in velocity per unit time.
15. Relationship that expresses Newton's second law for constant mass
17. SI-derived unit commonly used to measure speed or velocity.
18. Orientation of motion, needed to describe a velocity vector.
19. The directed change from initial to final position
20. Device that converts chemical energy into electrical energy through a reaction

DOWN

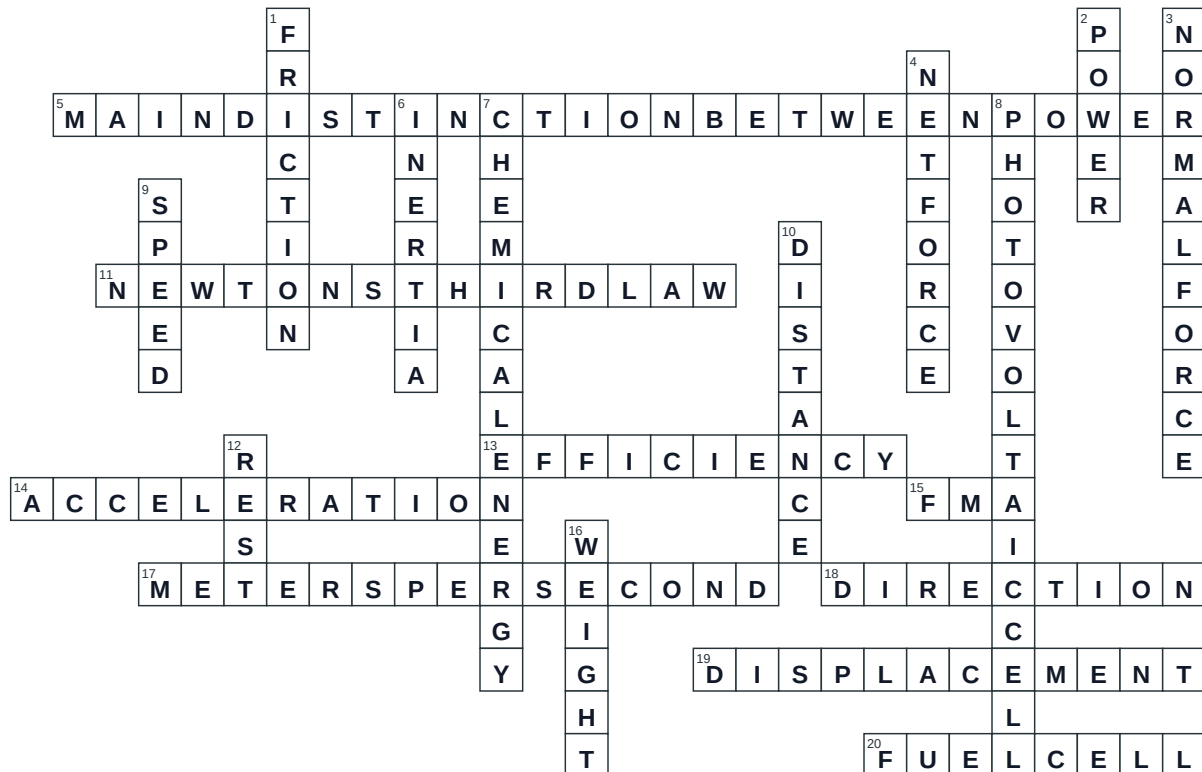
1. Force that opposes relative motion between surfaces in contact.
2. The rate of energy transfer or work
3. Force that is a surface's push perpendicular to that surface
4. The vector sum of all forces acting on an object
6. Resistance to changes in motion
7. Form of energy is stored in a charged battery
8. Device that converts light energy directly into electrical energy
9. Quantity that is a scalar
10. The total length of a traveled path
12. State in which position does not change relative to a chosen reference point.
16. The gravitational force acting on an object

Energy Resources and Conversion Crossword

Hard | 20 clues | Teacher Answer Key

TEACHER ANSWER KEY

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



ACROSS

5. Main Distinction Between Power
11. Newton's third law
13. Efficiency
14. Acceleration
15. $F = ma$
17. Meters per second
18. Direction
19. Displacement
20. Fuel Cell

DOWN

1. Friction
2. Power
3. Normal Force
4. Net Force
6. Inertia
7. Chemical Energy
8. Photovoltaic Cell
9. Speed
10. Distance
12. Rest
16. Weight