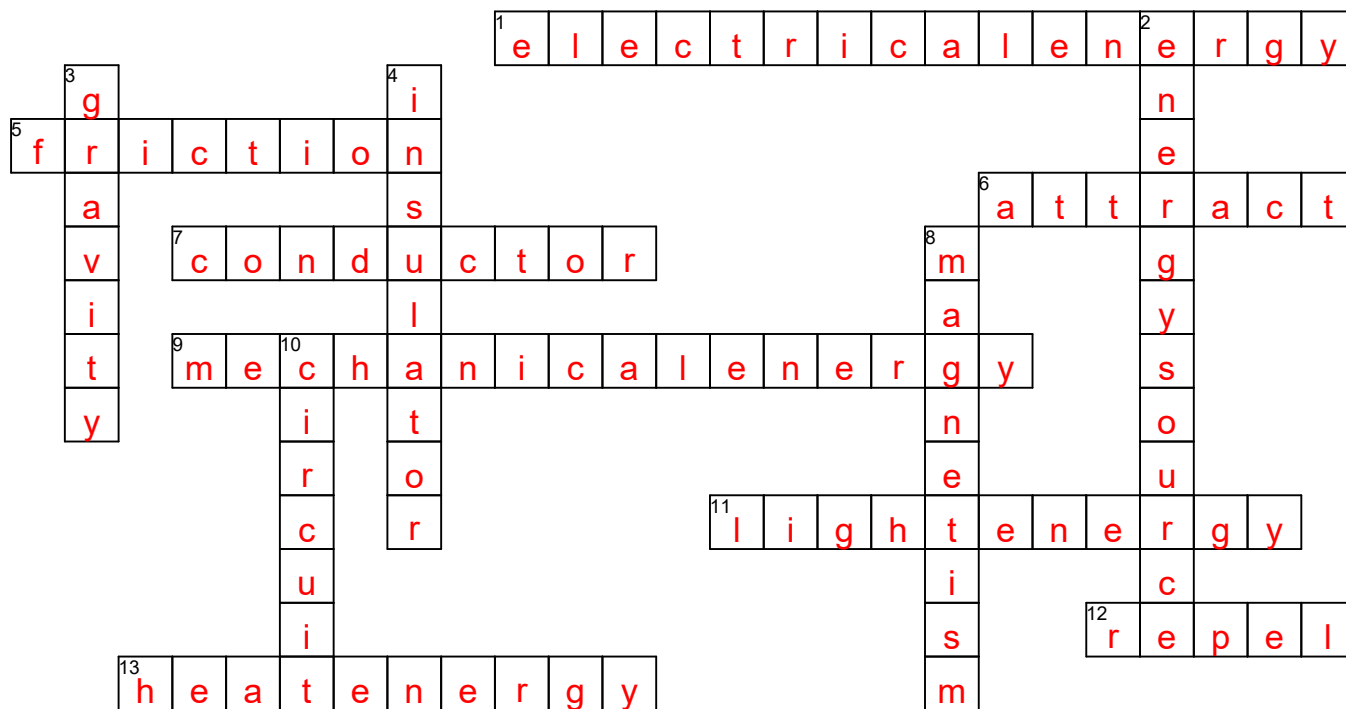


# 4th Grade Science Vocabulary Crossword Puzzle 11

1. Using the Across and Down clues, write the correct words in the numbered grid below.



## ACROSS

1. Energy related to forces on electrically charged particles and the movement of electrically charged particles.
5. A contact force acting against motion that slows objects down.
6. To pull closer.
7. A material that allows electricity to pass through it easily.
9. The sum of potential energy and kinetic energy.
11. A kind of kinetic energy with the ability to make types of light visible to human eyes.
12. To go against.
13. A form of energy that is transferred by a difference in temperature.

## DOWN

2. Where the energy starts.
3. An attracting force between any two objects with mass.
4. A material that does not allow electricity to pass through it easily.
8. The force that causes magnets to pull on objects.
10. A route that starts and finishes in the same place.

gravity  
heat energy  
magnetism  
conductor

attract  
electrical energy  
insulator

energy source  
circuit  
mechanical energy

friction  
light energy  
repel