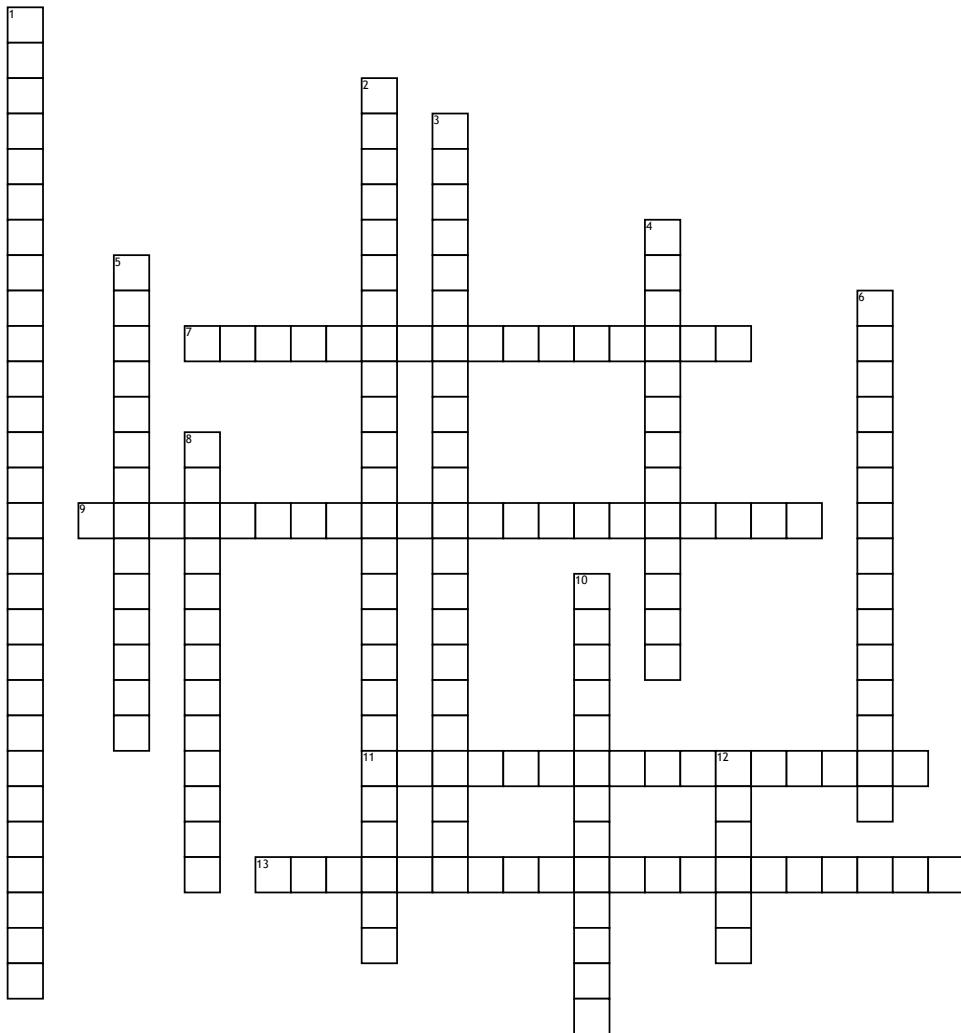


# Science Vocabulary Chapter 4



## Across

- 7. the number of times a machine increases a force exerted on it
- 9. the energy of light and other forms of radiation, which travels through space as waves
- 11. the energy of electric charges
- 13. a change from one form of energy to another; also called an energy conversion

## Down

- 1. potential energy that depends on the height of an object
- 2. the rule that energy cannot be created or destroyed
- 3. the energy of stretched or compressed objects
- 4. the total kinetic and potential energy of all the particles of an object
- 5. a form of potential energy that is stored in chemical bonds between atoms

- 6. the energy an object has because of its position; also the internal stored energy of an object, such as energy stored in chemical bonds
- 8. the potential energy stored in the nucleus of an atom
- 10. energy that an object has due to its motion
- 12. the ability to do work or cause change

## Word Bank

- nuclear energy
- gravitational potential energy
- electromagnetic energy
- energy
- law of conversation of energy

- elastic potential energy
- mechanical energy
- thermal energy
- chemical energy

- electrical energy
- potential energy
- energy transformation
- kinetic energy