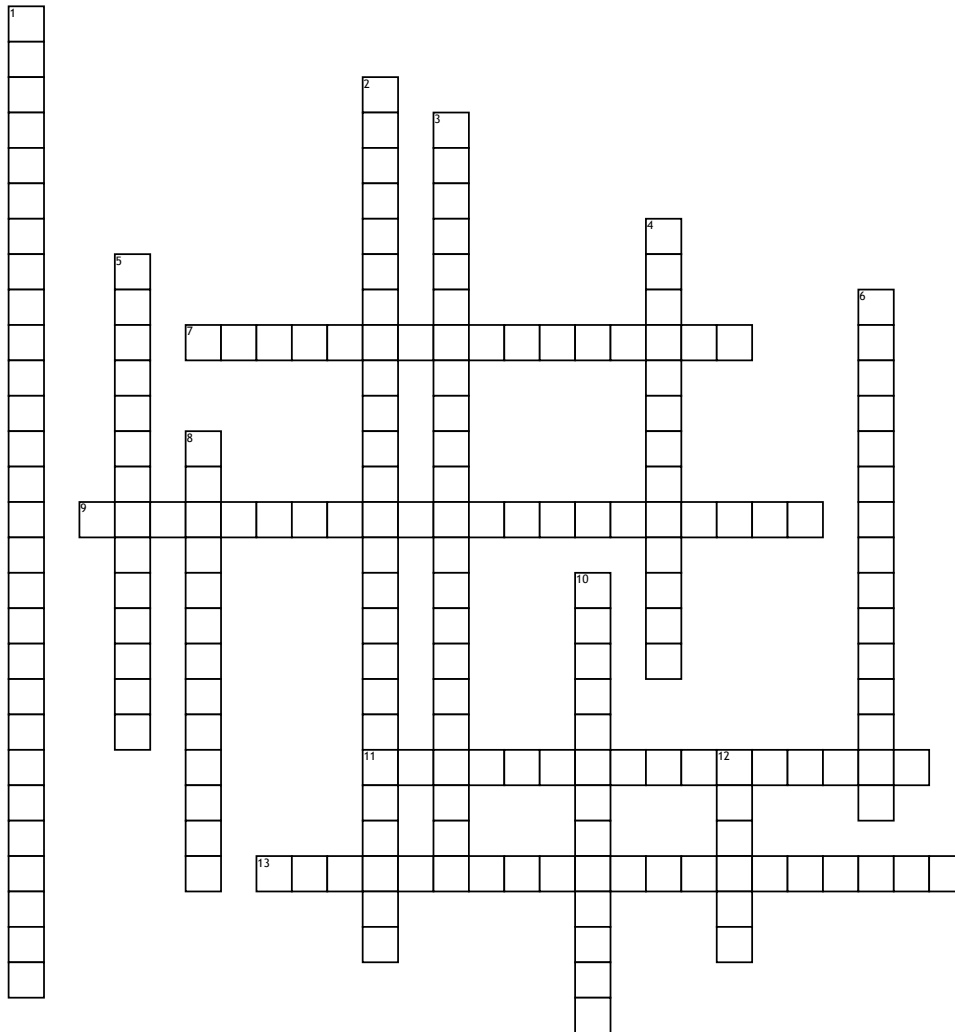


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# 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

## Word Bank

nuclear energy  
 gravitational potential energy  
 electromagnetic energy  
 energy  
 law of conservation of energy

## 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

elastic potential energy  
 mechanical energy  
 thermal energy  
 chemical energy

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

electrical energy  
 potential energy  
 energy transformation  
 kinetic energy