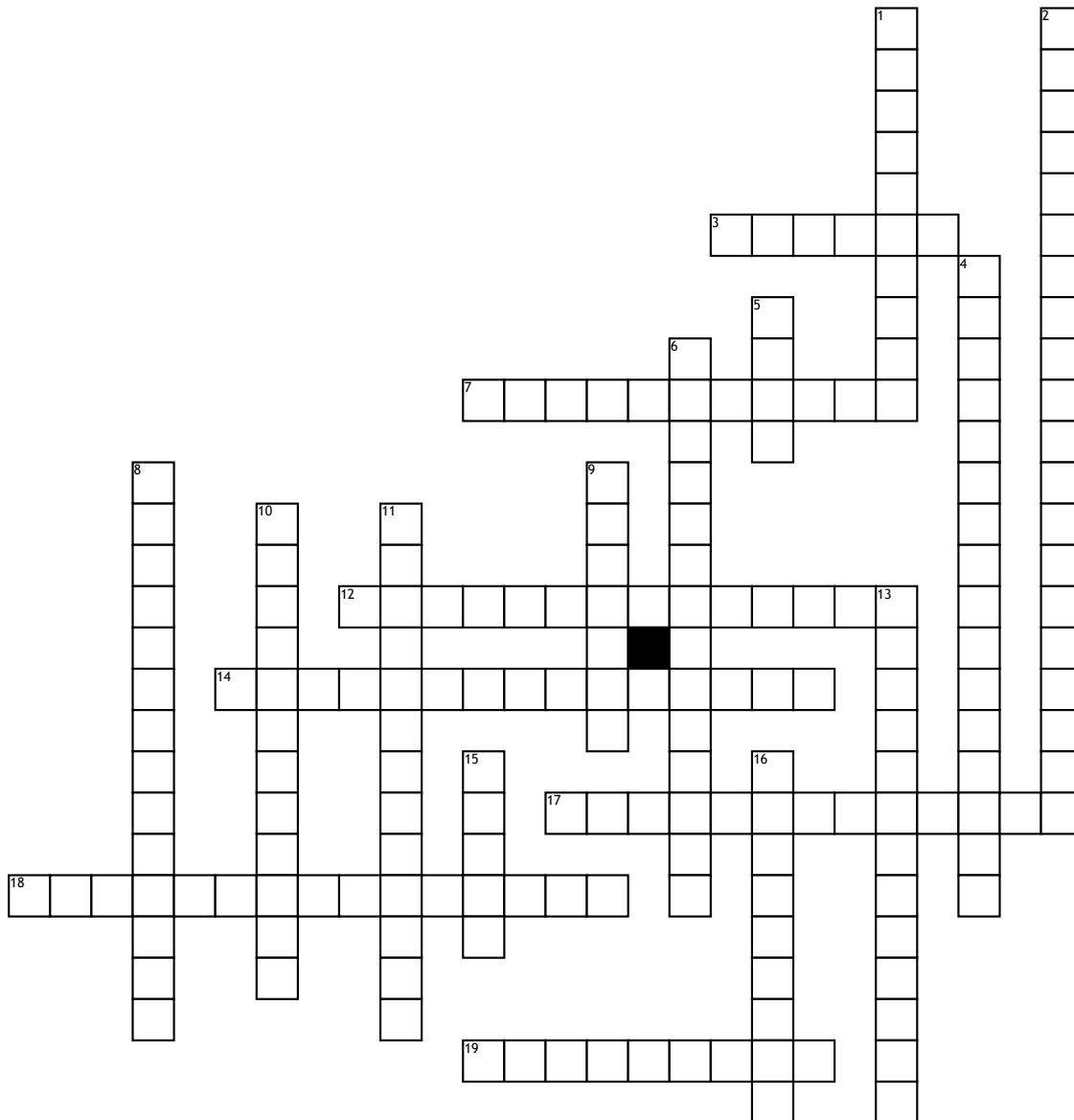


Transfer and Conservation of Energy



Across

3. A vent in the Earth's surface that lets out a column of hot water and steam
 7. A chemical change that is accompanied by an absorption of heat
 12. Change from one form of energy to another
 14. A type of magnet in which the magnetic field is produced by an electric current
 17. Heat energy; the internal energy in a substance
 18. Energy that is stored

19. A machine that converts one form of energy to another

Down

1. Chemical reaction that releases heat
 2. Energy is never created or destroyed
 4. Energy stored in objects by the application of force
 5. Using a force to move an object a distance
 6. How things change and move; the ability to do work
 8. Energy stored in the bonds of atoms and molecules

9. Electric force between two points in space
 10. The rate of change in velocity
 11. The energy an object has due to its motion
 13. Electromagnetic energy that travels in transverse waves
 15. The rate at which energy is used
 16. Transmission of energy in the form of waves or particles through space