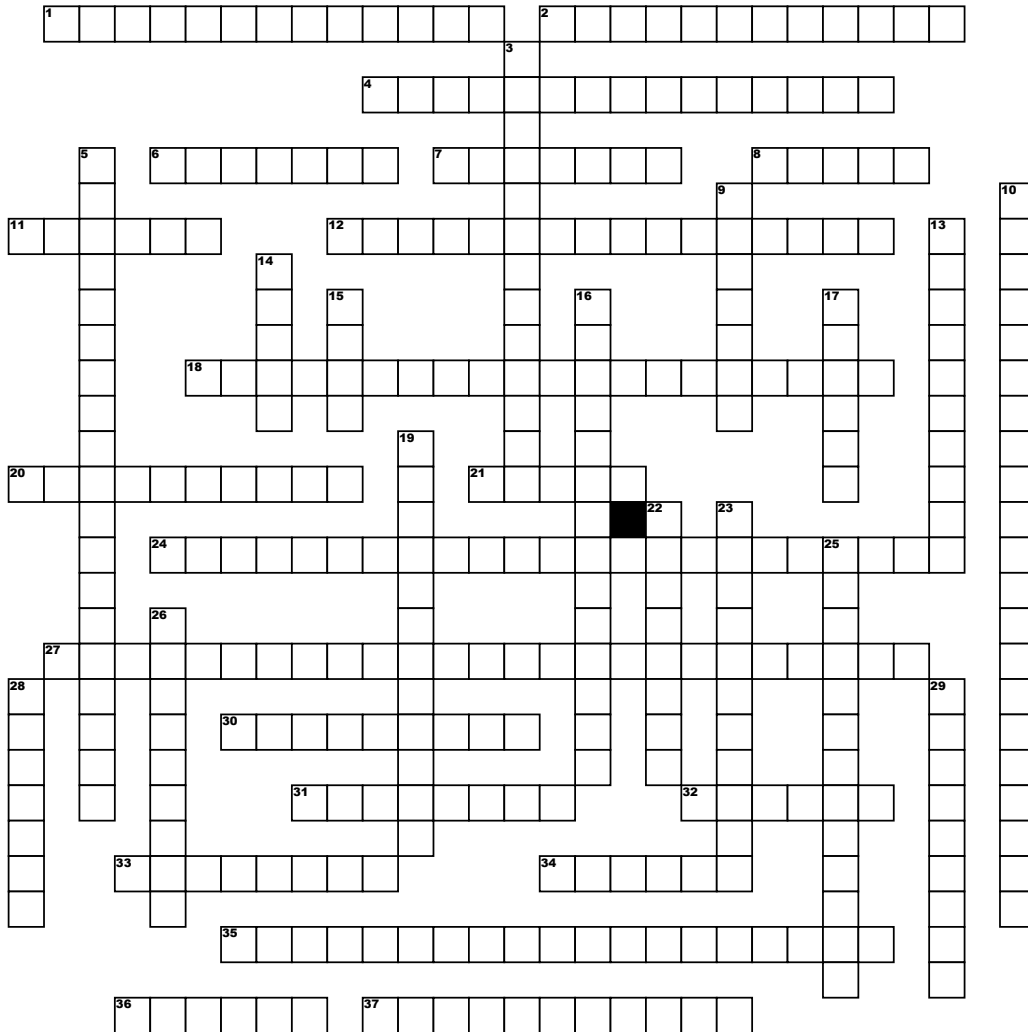


Name: _____

Date: _____

Period: _____

Extra Credit Science



- Across**
1. The energy of an object that is due to the other objects's motion
 2. A simple machine consisting of two circular objects of different sizes; the wheel is larger of the two circular objects, and the axle is attached to the center of the wheel
 4. The energy that an object has because of the position, condition, and chemical composition of the object
 6. The amount of energy needed to raise the temperature of 1g of water 1c; the calorie used to indicate the energy content of food kilocalorie
 7. The point on which a lever pivots
 8. A rate of how fast something is moving at the rate of motion
 11. The ability to cause change
 12. The sum of an object's kinetic energy and potential energy due to gravity or elastic deformation ; does not include chemical energy or nuclear energy
 18. A quantity, usually expressed as a percentage, the measures the ratio of work input in a machine
 20. The movement of matter due to the differences in density;the transfer of energy due to movement of matter
 21. A simple machine that consists of a bar that pivots at a fixed point called a fulcrum
 24. The acceleration directed toward the center of a circular path
 27. The law that states that energy can not be destroyed neither created but can be formed in to a different form
 30. the transfer of energy in electromagnetic waves
 31. The speed of an object in a specific of particular direction
 32. A simple machine that consists of a wheel over which a rope, chain,or wire passes
 33. The location of an object
 34. The unit on a temperature scale
 35. A number that tells how many times a machine multiplies input force
 36. An objects change in position relative to a reference point
 37. An instrument that measure and indicates temperature
- Down**
3. a simple machine that is a straight, slanted surface, which facilitates the raising of loads; a ramp
 5. The process of energy changing from one form into another
 9. the tendency of an object to resist being moved or , if the object is moving , resist a change in speed or direction
 10. The energy of an object that is due to the objects's motion
 13. The transfer of energy as heat through a material
 14. A push or pull exerted on an object in order to change the motion of an object; force has size and direction
 15. The energy transferred between objects that are at different temperature
 16. A location to which another location is compared
 17. A quantity that has both size and direction
 19. The rate at which velocity changes over time; an object accelerates if its speed, direction, or both change
 22. A combination of all the forces acting on a object
 23. A measure of how hot or cold something is specifically, a measure of the average kinetic energy of the particles in an object
 25. The kinetic energy of a substances atoms
 26. A material that transfers energy easily
 28. A device that helps do word by changing magnitude and /or direction of and applied force
 29. A material that prevents of reduces the transfer of energy

Word Bank

Energy
Inertia
Speed
Thermometer
Heat
Conductor
Conduction
Machine
Pulley
energy tranformation

Thermal Energy
Velocity
Wheel and axle
Force
Radiation
Mechanical advantage
centripetal acceleration
Motion
Temperature

Convection
Mechanical Energy
Net force
law of conservation of energy
Reference Point
Fulcrum
Vector
Lever
Kinetic theory of matter

insulator
Potential Energy
Calorie
Position
Mechanical efficiency
Inclined Plane
Acceleration
Kinetic energy
degree