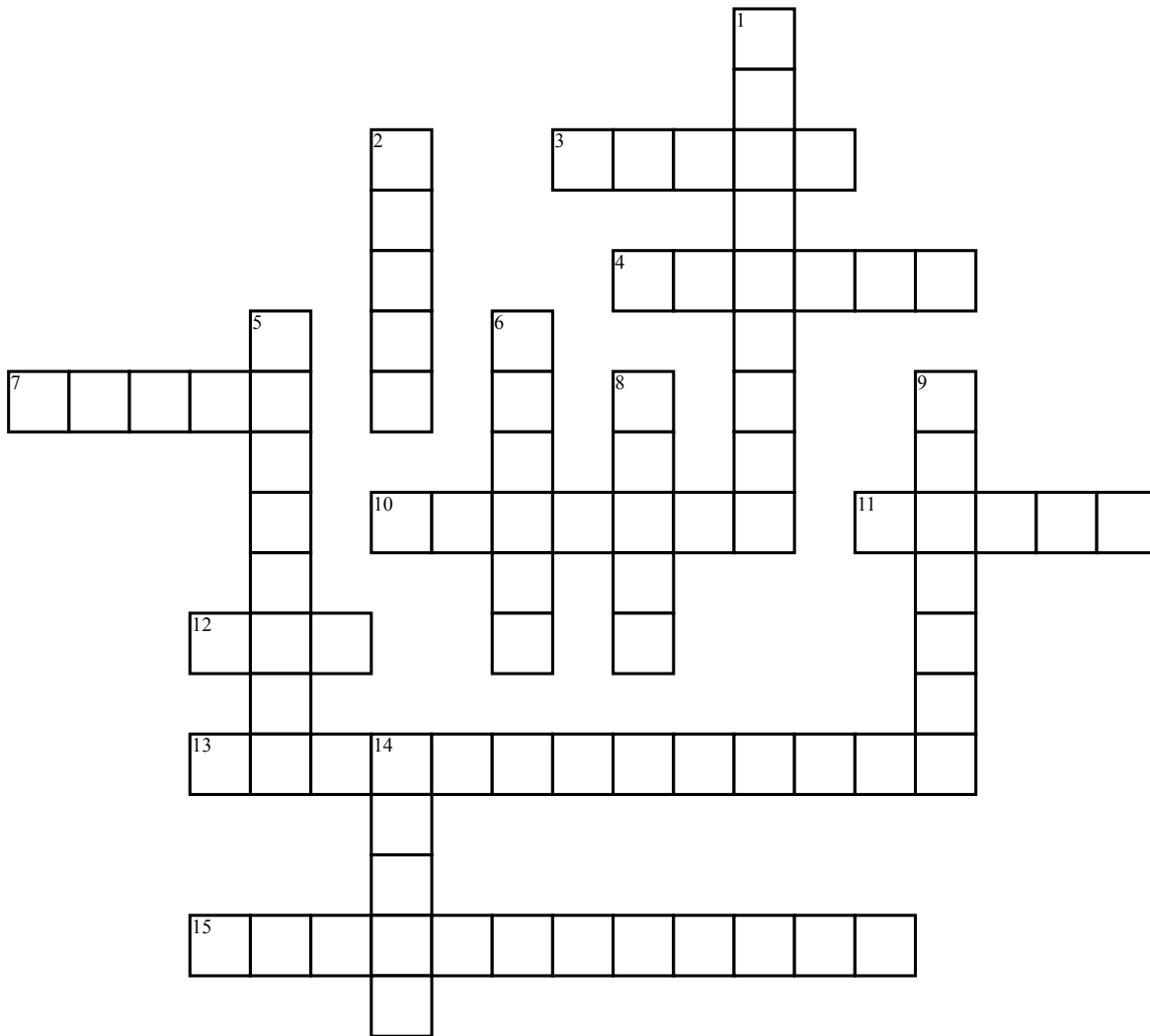


Simple Machine



Across

3. Unit of power.
 4. What is the unit for Work?
 7. _____ = Work/Time
 10. The fixed point in a lever where the "bar" rotates.
 11. A short, slender, sharp-pointed metal pin with a raised helical thread running around it and a slotted surface, used to join things together by being rotated.
 12. There are __ simple machines
 13. A flat supporting surface tilted at an angle used as an aid for raising or lowering a load.

15. A wheel fastened so that torque (pressure and push or pull) applied to the wheel winds a rope or chain onto the axle.

Down

1. Ideal Mechanical advantage = input arm divided by _____
 2. A piece of wood, metal, or other material having one thick end and tapering to a thin edge, that is driven between an object to secure or separate them.
 5. Why can't machines never have 100% efficiency?

6. A machine consisting of a wheel over which a pulled rope or chain runs to change the direction of the pull used for lifting a load.

8. _____ = Work/Distance
 9. Device that can change "things" about a force.

14. A rigid bar resting on a pivot, used to help move a heavy or firmly places load with one end when pressure is applied to the other.