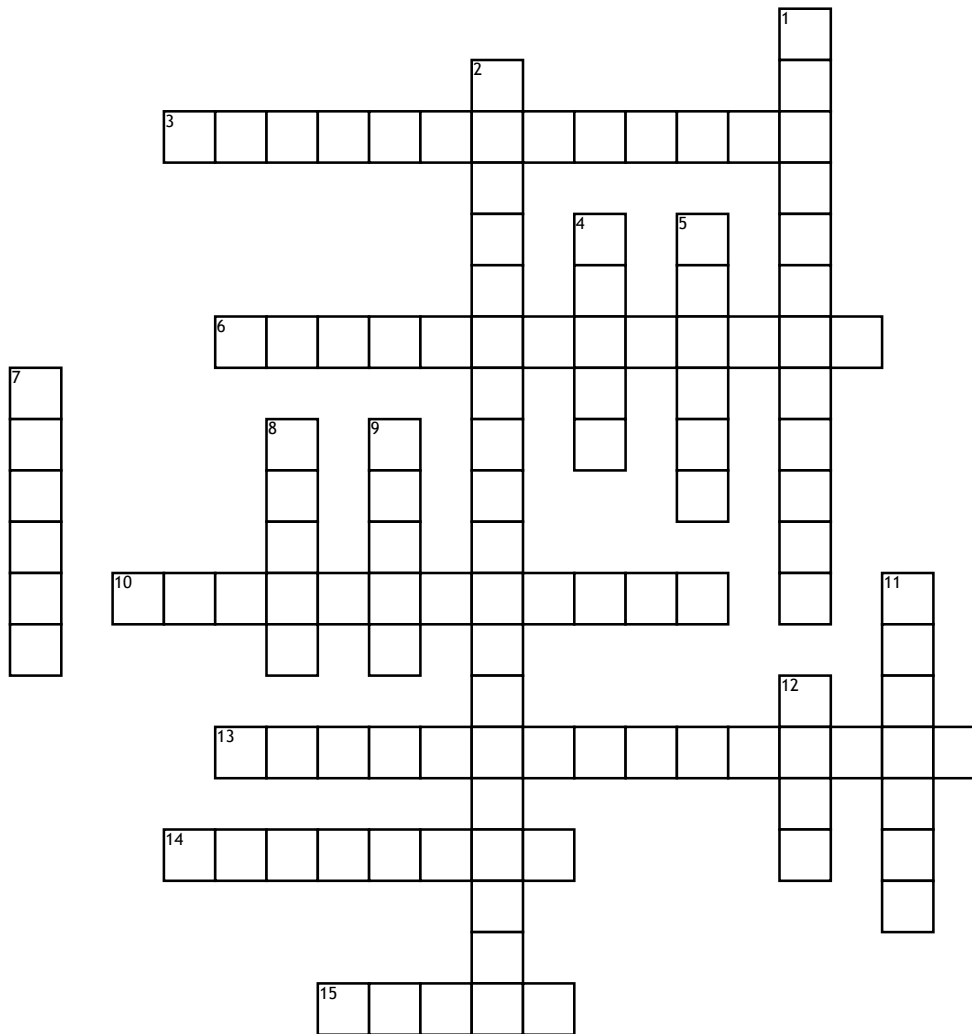


Simple Physics



Across

- 3.** Forces that don't cause a change in the motion of an object
6. a flat supporting surface tilted at an angle, with one end higher than the other, used as an aid for raising or lowering a load.
10. increase in the rate or speed of something.
13. Forces that cause a change in the motion of an object
14. the speed of something in a given direction.

Word Bank

inclined plane
 wedge
 wheel and axle
 work

mechanical advantage
 balanced force
 newton
 velocity

fulcrum
 acceleration
 lever
 power

screw
 pulley
 unbalanced force

15. the rate of doing

Down

- 1.** A simple machine consisting of an axle to which a wheel is fastened so that torque applied to the wheel winds a rope or chain onto the axle
2. the number of times that a machine increases the input force
4. is a triangular shaped tool, and is a portable inclined plane
5. 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.
7. the SI unit for force
8. a simple machine of the inclined-plane type consisting of a spirally threaded cylindrical rod that engages with a similarly threaded hole.
9. a rigid bar resting on a pivot, used to help move a heavy or firmly fixed load with one end when pressure is applied to the other.
11. the point on which a lever rests or is supported and on which it pivots.
12. the product of force and distance