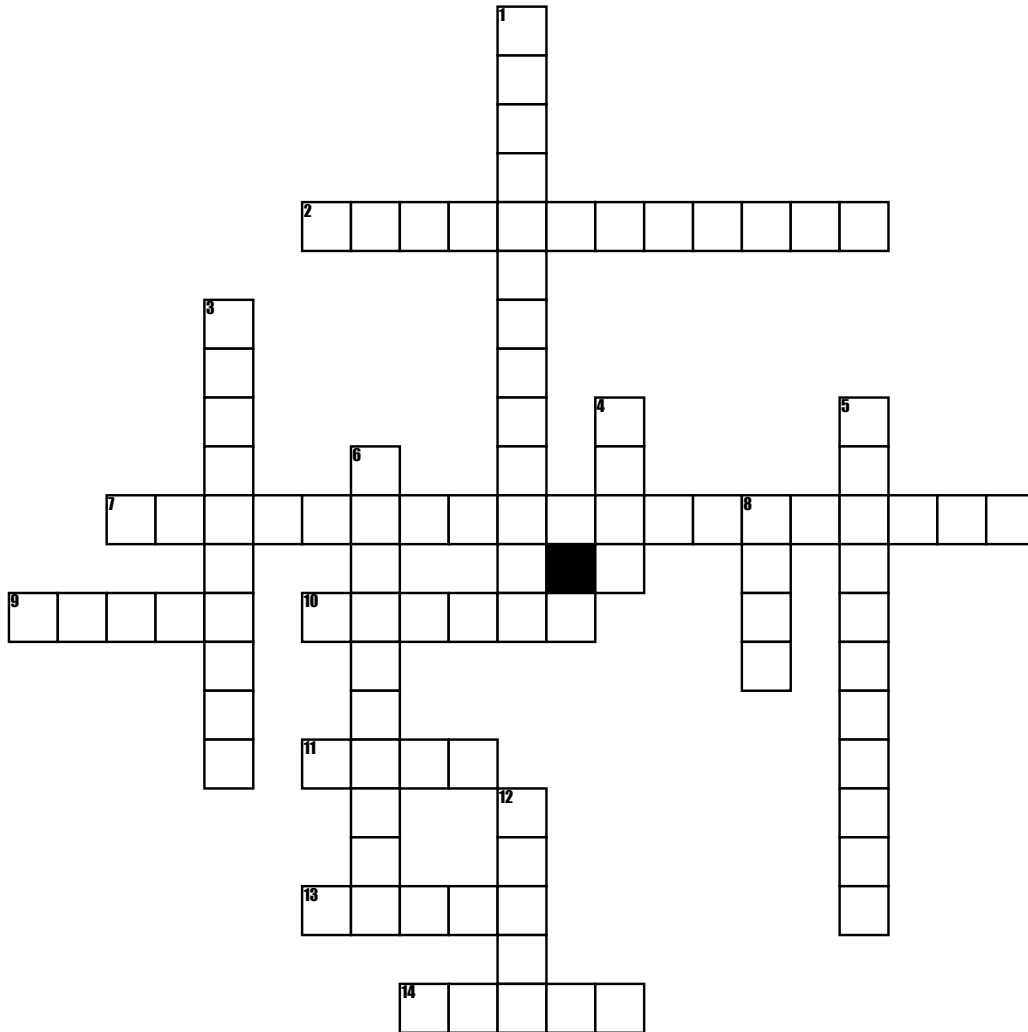


Simple Machines Crossword Puzzle



Across

- 2. Force that is applied to an object by a person or another object.
- 7. Number of times a machine multiplies the effort force applied to it.
- 9. Simple machine that consists of an inclined plane with one or two sloping sides.
- 10. Simple machine that consists of a grooved wheel with a rope, chain, or cable that runs along a groove, changes the direction of the effort force, and can be fixed or movable.
- 11. Transfer of energy that occurs when a force makes an object move; measured in joules.

- 13. Simple machine made from a bar that is free to pivot about a fixed point.

- 14. Amount of work done, or the amount of energy transferred, in a certain amount of time; measured in watts.

Down

- 1. Simple machine that consists of a sloping surface, such as a ramp, that reduces the amount of force needed to lift something by increasing the distance over which the force is applied.
- 3. Measure of how much of the work put into a machine is changed into work done by a machine.

- 4. A toothed machine part, such as a wheel or cylinder, that meshes with another toothed part to transmit motion or to change speed or direction.

- 5. The force that a specific object has as a result of the input force.

- 6. Represents the amount of force that you put into another object.

- 8. A pin or shaft on or with which a wheel or pair of wheels revolves.

- 12. Simple machine that consists of an inclined plane wrapped in a spiral around a cylindrical post.

Word Bank

Inclined Plane
Efficiency
Lever
Gear

Output Force
Mechanical Advantage
Pulley
Screw

Applied Force
Power
Input Force

Wedge
Axle
Work