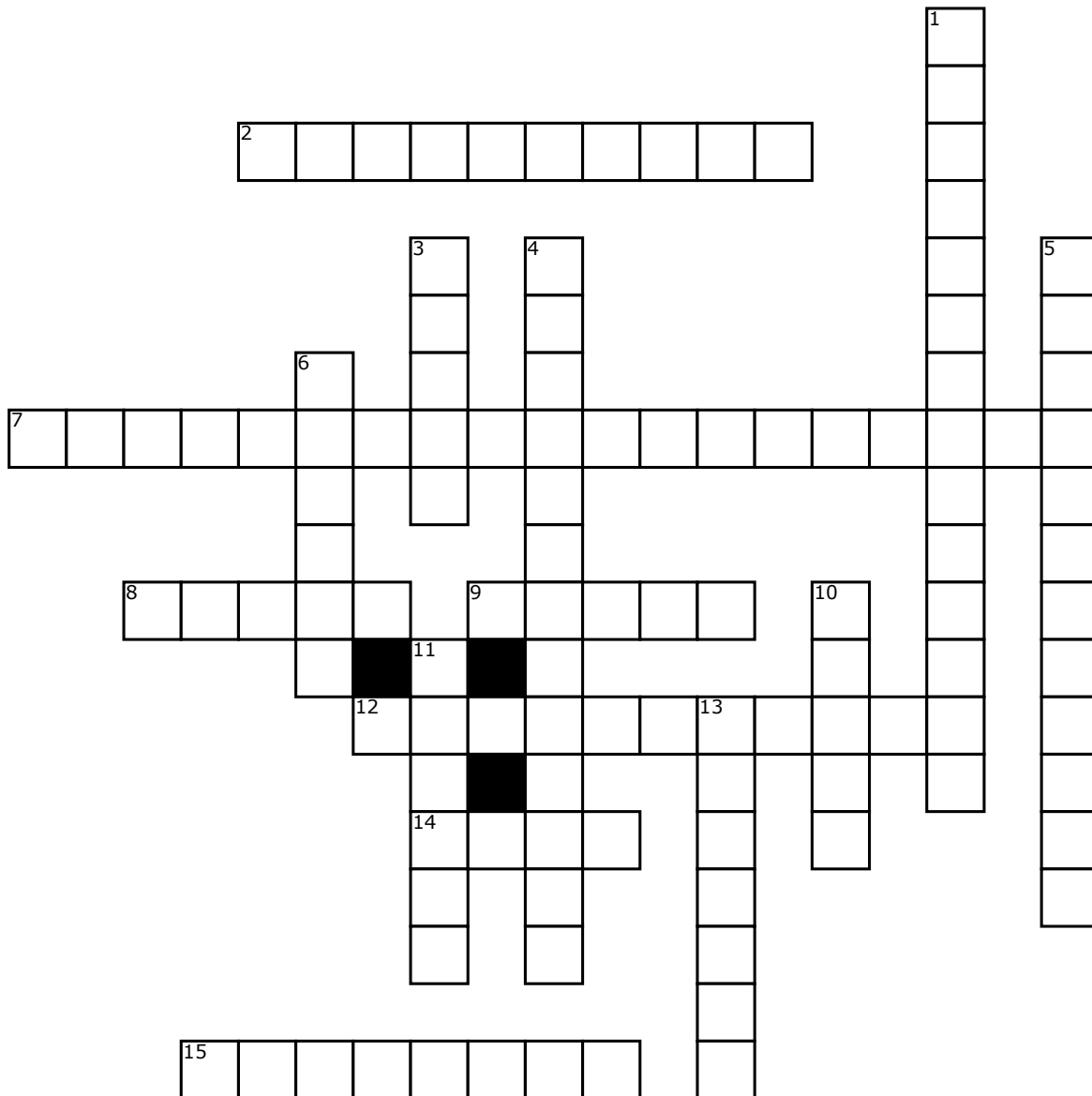


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Simple Machines



## **Across**

- 2.** the work done on a machine  
**7.** the ratio of the force produced by a machine to the force applied to it, used in assessing the performance of a machine.  
**8.** really an inclined plane turned on its side.  
**9.** A bar which rests on a fulcrum.  
**12.** The ending result of work after applied with the input force  
**14.** Amount of work a machine is expected to perform.  
**15.** The act of a surface or an object rubbing against each other.

## **Down**

- 1.** any of the basic mechanical devices for applying a force, such as an inclined plane, wedge, or lever.  
**3.** Exerting pressure or influence over object or substance.  
**4.** A plank or plane surface put at an angle to a horizontal surface.  
**5.** a simple lifting machine consisting of a rope that unwinds from a wheel onto a cylindrical drum or shaft joined to the wheel to provide mechanical advantage.

- 6.** the strength and vitality required for sustained physical or mental activity.  
**10.** Cylinder with a ridge winding around it. It's a simple machine.  
**11.** A wheel that has a groove in the rim where a rope can run and change the direction of the pull.  
**13.** The support on which a lever turns or is helped in moving or lifting something.