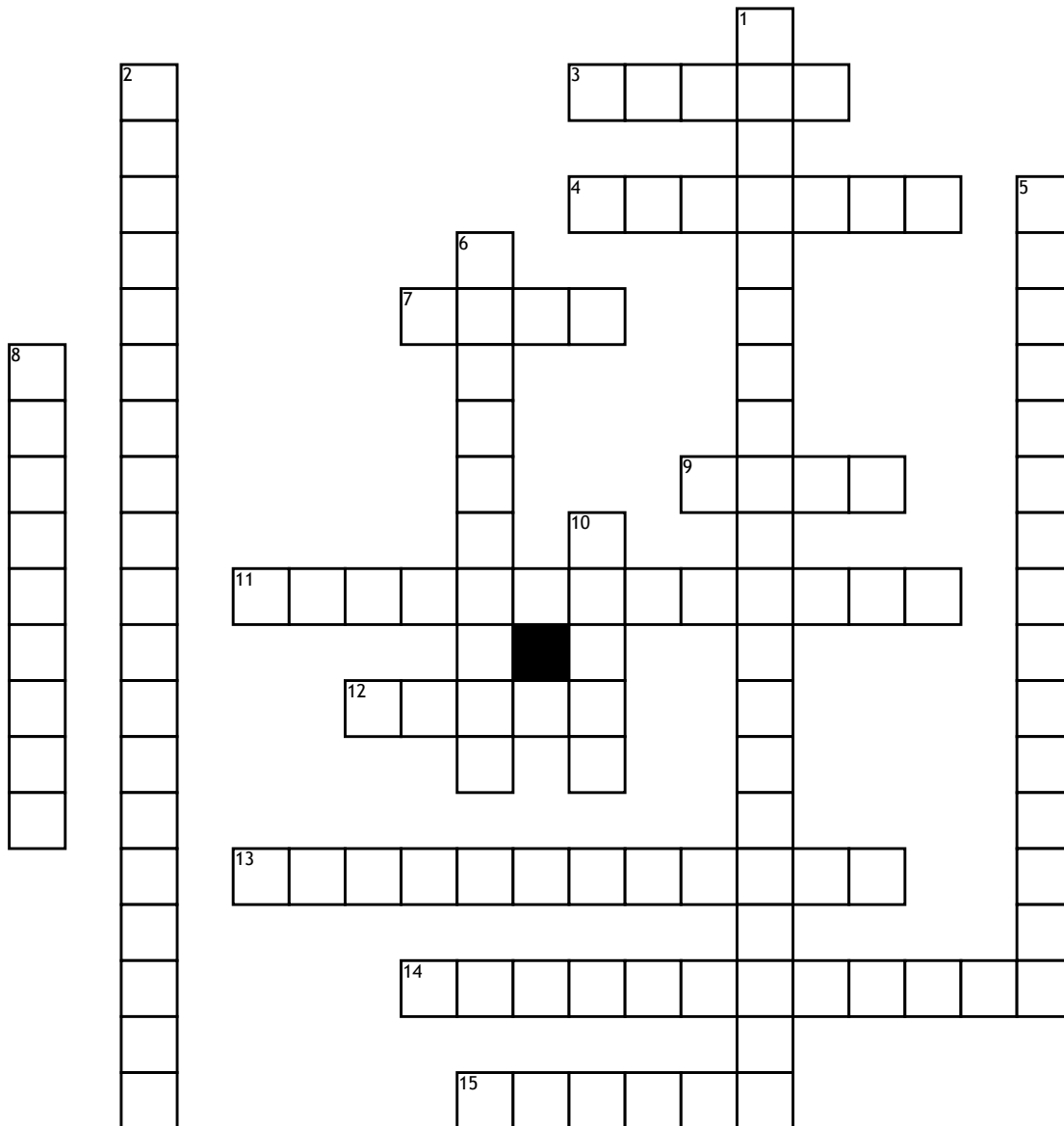


Name: \_\_\_\_\_

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

# Simple Machines



## Across

3. The rate at which energy is transferred.  
 4. A device that makes work easier by changing the size or direction of a force.  
 7. The transfer of energy to an object by using a force that causes the object to move in the direction of the force.  
 9. The unit used to express power. Also expressed as J/s.  
 11. The energy of an object due to its motion.

12. The unit used to express work. Also expressed as newton-meter.

13. A machine that would have 100% mechanical efficiency.

14. A simple machine consisting of 2 circular objects of different sizes.

15. A simple machine that has a grooved wheel that holds a rope or cable.

## Down

1. A comparison of a machine's work output with work input.

2. The number of times a machine multiplies force (compares the input force with output force).

5. A machine made of more than 1 simple machine.

6. The work done by a machine.

8. The work you do on a machine.

10. A simple machine that consists of an inclined plane wrapped around a cylinder.