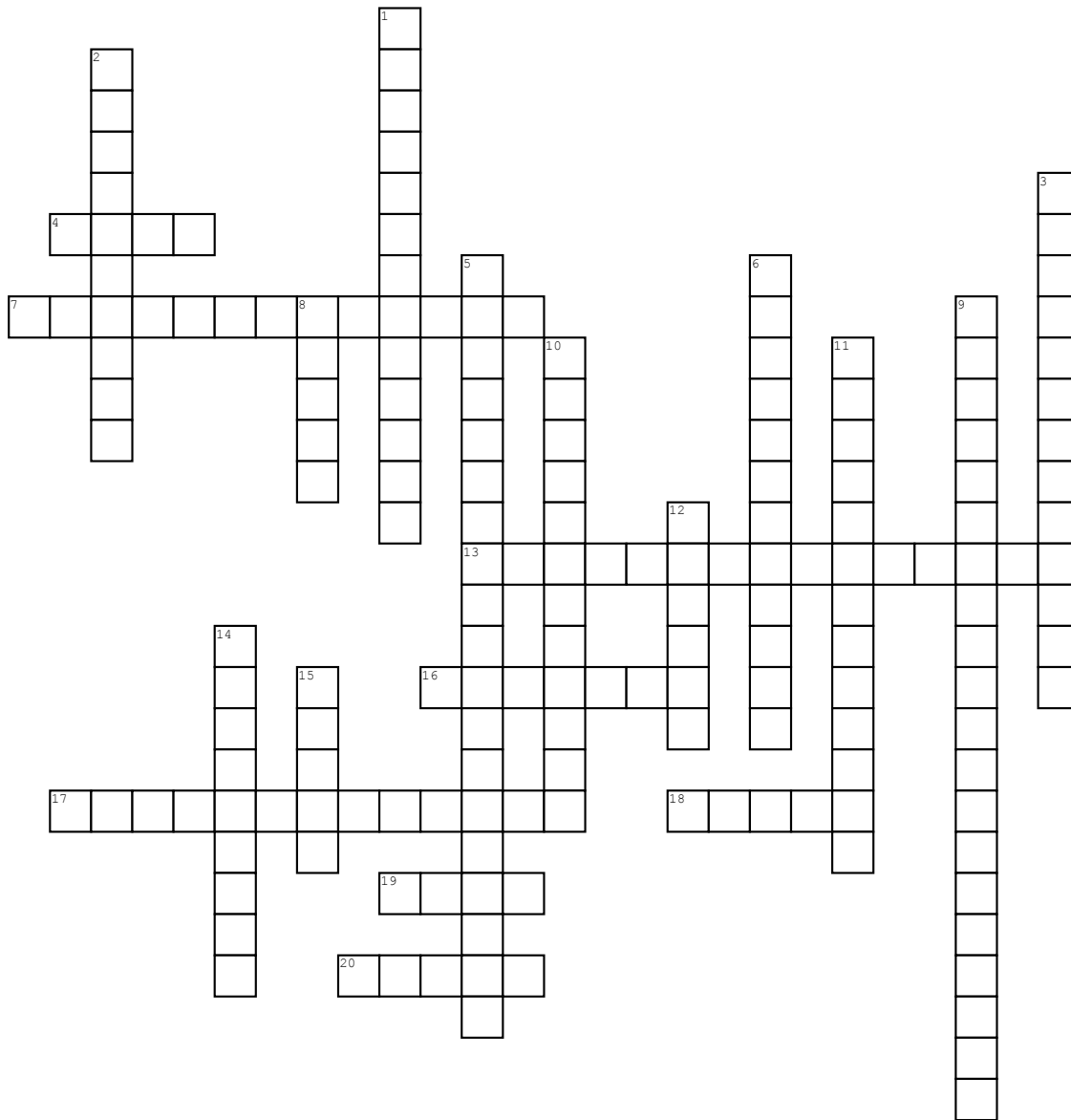


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Simple Machines



## Across

4. the transfer of energy to an object by using a force that causes the object to move in the direction of the force
7. Fulcrum is between input force and output force ex: screwdriver and paint can
13. a machine made of more than one simple machine
16. A device that makes work easier
17. a simple machine that is a straight, slanted surface, which facilitates the raising of loads; a ramp
18. SI unit of energy
19. A measure of power equal to one joule of work per second.

20. a simple machine that is made up of two inclined planes and that moves; often used for cutting

## Down

1. the energy an object has due to its motion
2. the work done by a machine
3. Input force is between output force and fulcrum ex: broom
5. the number of times a machine increases a force exerted on it
6. a simple machine consisting of two circular objects of different sizes; the wheel is the larger of the two circular objects

8. a simple machine that consists of an inclined plane wrapped around a cylinder
9. a comparison of a machines work output with work input
10. machine with 100% efficiency
11. fulcrum at the end, load in the middle; wheel barrow, car-jack
12. A simple machine that consists of a rope that fits into a groove in a wheel
14. the work done by the input force acting through the input distance
15. the ability of one person to get another person to act in accordance with the first person's intentions