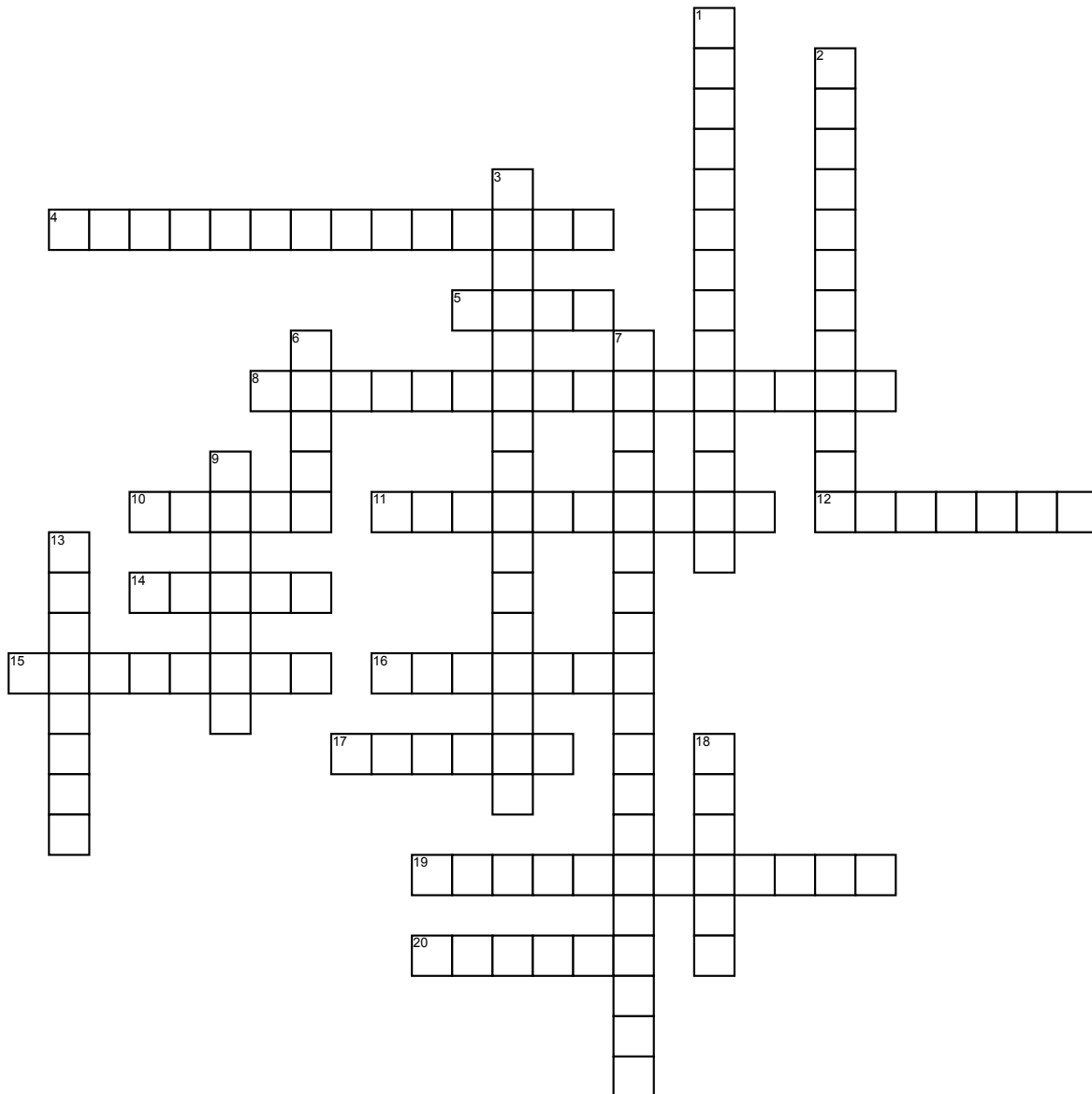


Name: \_\_\_\_\_

# Physical science



## **Across**

- 4. A device that has only one movement
- 5. A measure of the amount of matter in an object
- 8. The greatest velocity a falling object can achieve
- 10. A push or a pull
- 11. A simple machine that is made of a wheel connected to a smaller cylindrical object (the axel)
- 12. The unit of measurement for force
- 14. a simple machine that consists of a bar that pivots at a fixed point called a fulcrum

15. The product of an object's mass and velocity

16. The tendency of an object to resist any change in its motion

17. A simple machine that consists of a rope that fits into a groove in a wheel

19. Distance and direction of an object's change in position from the starting point.

20. A measure of the force of gravity acting on an object

## **Down**

1. Forces acting on an object that combine and form a net force of zero

2. The rate at which velocity changes over time

3. Forces acting on an object that combine and form a net force that is not zero

6. A simple machine that is an inclined plane that moves.

7. The amount by which a machine multiplies the effort force.

9. A force of attraction between objects that is due to their masses.

13. The speed of an object in a particular direction

18. Inclined planes that are wound around a post or cylinder