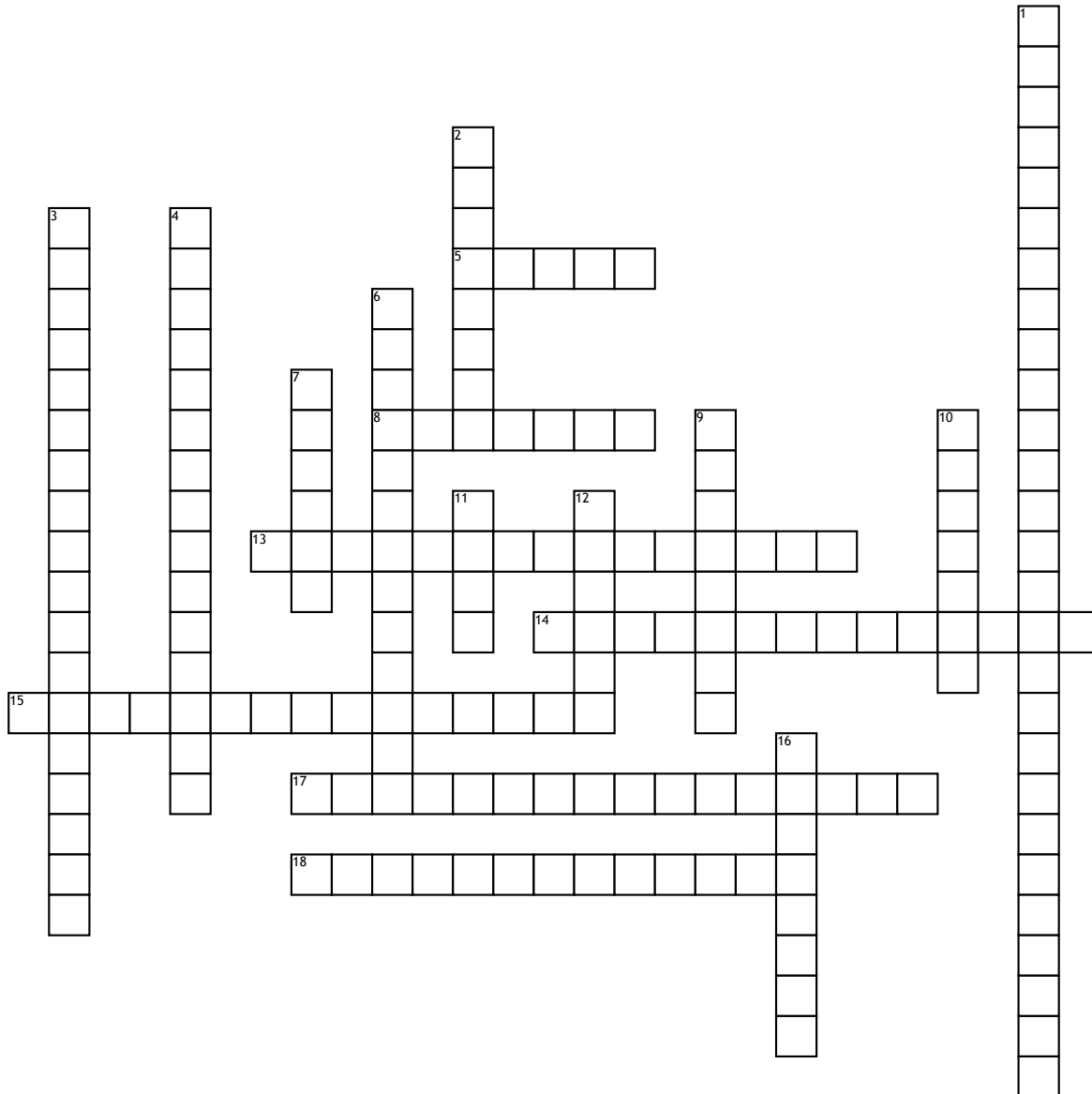


Unit 10



Across

5. A push or pull that acts on an object.

8. The tendency of an object to resist a change in its motion.

13. The constant velocity of a falling object when the force of air resistance equals the force of gravity.

14. A friction force that acts on objects that are not moving.

15. A friction force that opposes the motion of an object as it slides over a surface.

17. A force that continuously changes the direction of an object to make it move in a circle.

18. Fluid friction acting on an object moving through the air.

Down

1. Law stating that the total momentum of a system does not change if no net force acts on the system.

2. The overall force acting on an object after all the forces are combined.

3. An attractive force that acts between any two objects.

4. A friction force that acts on rolling objects, caused by the change in shape at the point of rolling contact.

6. A friction force that opposes the motion of an object through a fluid.

7. The force of gravity acting on an object.

9. A force that opposes the motion of objects that touch as they move past each other.

10. The attraction between any two objects because of their masses.

11. The amount of matter in an object.

12. The SI unit for force, equal to the force that causes a 1-kilogram mass to accelerate at a rate of 1 meter per second squared.

16. The product of an objects mass and its velocity