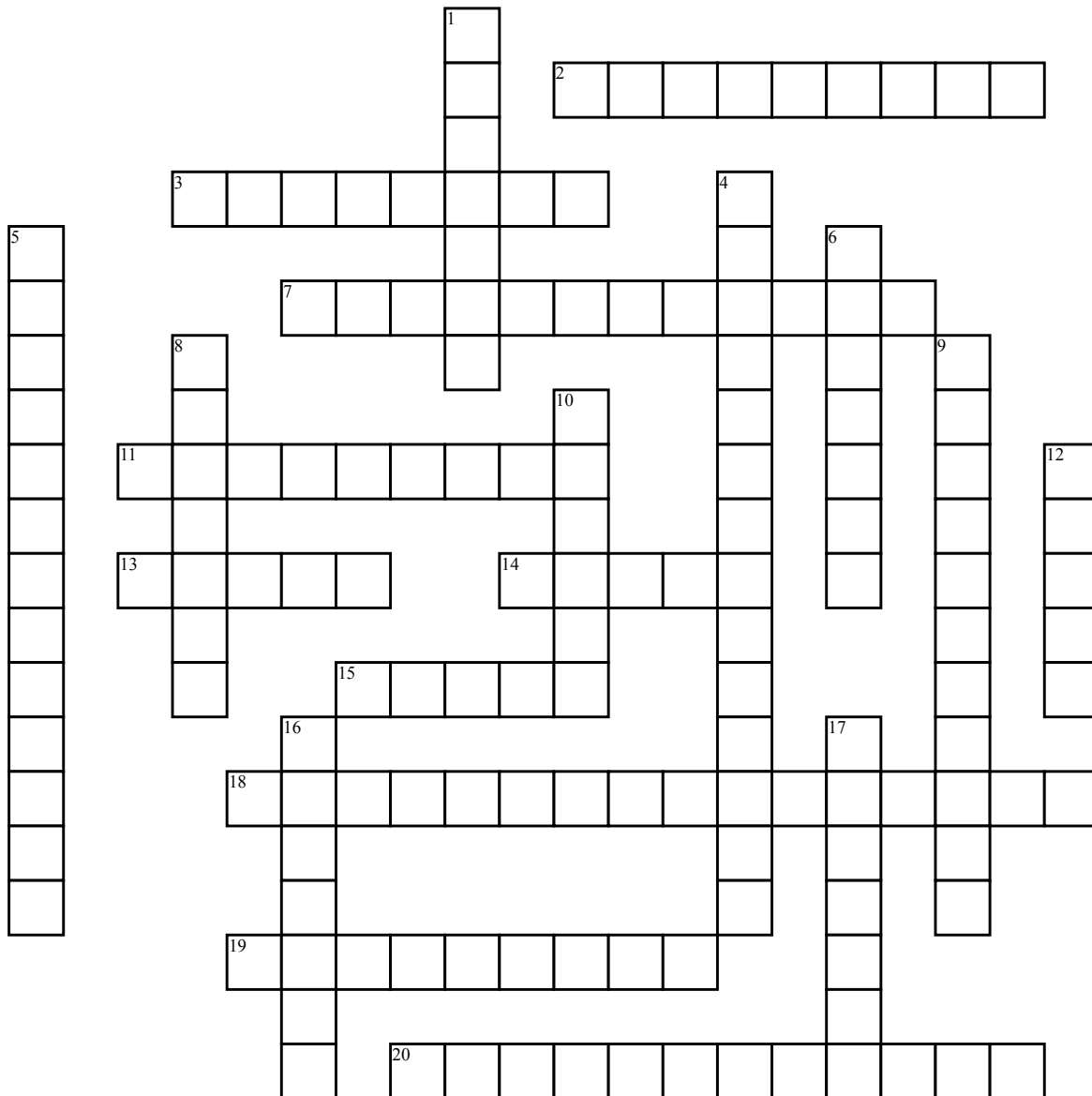


# May the Force be in One Dimension



## Across

2. What force is the force exerted by a fluid on the object moving through the fluid.

3. Another term for the vector sum of all the forces on an object is called?

7. All forces result from \_\_\_\_\_ between objects.

11. Forces have.

13. Newton's law that states that an object that is at rest, and an object that is moving will continue to move in a straight line with constant speed, if and only if the net force acting on that object is zero.

14. It is a push or pull.

15. Newton's law which states that all forces come in pairs.

18. The constant velocity that is reached when the drag force equals the force of gravity is called?

19. Forces have.

20. An object's apparent weight is the force an object experiences as a result of the contact forces acting on it, giving the object an \_\_\_\_\_.

## Down

1. An object that experiences a push or a pull has a force \_\_\_\_\_ on it.

4. An object with no apparent weight experiences \_\_\_\_\_.

5. The normal force is a support force resulting from contact of two objects. It is always \_\_\_\_\_ to the plane of contact between the two objects.

6. The tendency of an object to resist change is called?

8. The weight of an object depends upon the acceleration due to \_\_\_\_\_ and the mass of the object.

9. An object with no net force acting on it is called?

10. Newton's law that states that the acceleration of a system equals the net force acting on it, divided by its mass.

12. The effort of drag on an object's motion is determined by the objects weight, size, and \_\_\_\_\_.

16. The specific name for the force exerted by a string or rope.

17. Forces may be divided into \_\_\_\_\_ and field forces.