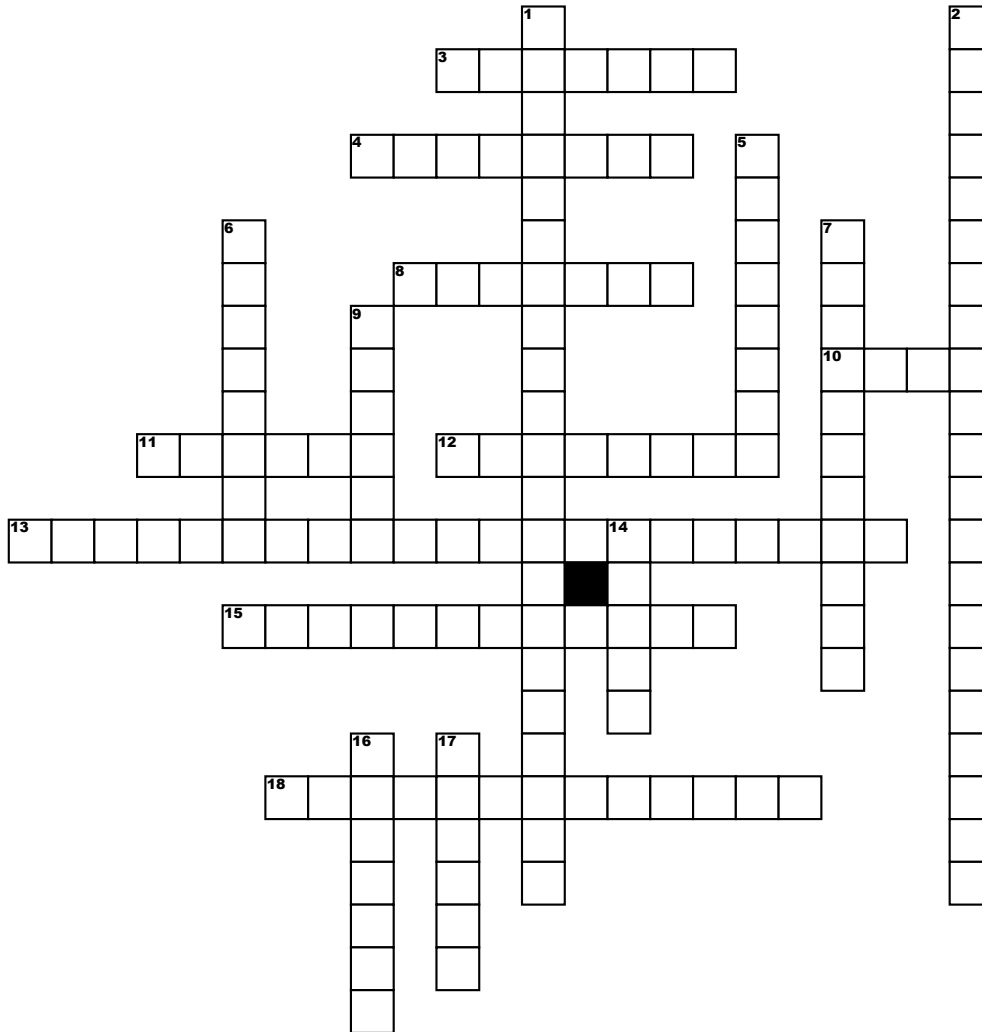


Name: \_\_\_\_\_

# physics project



## Across

3. property of things to resist changes in motion

4. resistive force that opposes the motion or attempted motion of an object either past another object with which it is in contact or through a fluid

8. stretching force

10. scalar quantity of matter in an object.

11. force caused by gravity due to its mass.

12. unit of mass = 1000 grams; one kilogram is the mass of 1 liter of water.

13. The acceleration of an object as produced by a net force is directly proportional to the magnitude of the net force, in the same direction as the net force, and inversely proportional to the mass of the object.

15. is a force the is exerted on an object by a person or another object or force

18. type of friction caused by air

## Down

1. for every action, there is an equal and opposite reaction.

2. an object will remain at rest or in uniform motion in a straight line unless acted upon by an external force.

5. product of the mass of an object and its velocity

6. opposing force that goes against motion

7. upward supported force

9. unit of force. One newton is the force of that will give an object of mass of 1 kg an acceleration

14. a push or pull exerted on a object, measured in Newtons

16. pull of an object on any other object

17. force caused by gravity due to its mass

## Word Bank

gravity

weight

tension

Mass

newtons 3rd law of motion

newtons 1st law of motion

inertia

newtons 2nd law of motion

force

Weight

applied force

newton

friction

friction

air resistance

kilogram

normal force

momentum