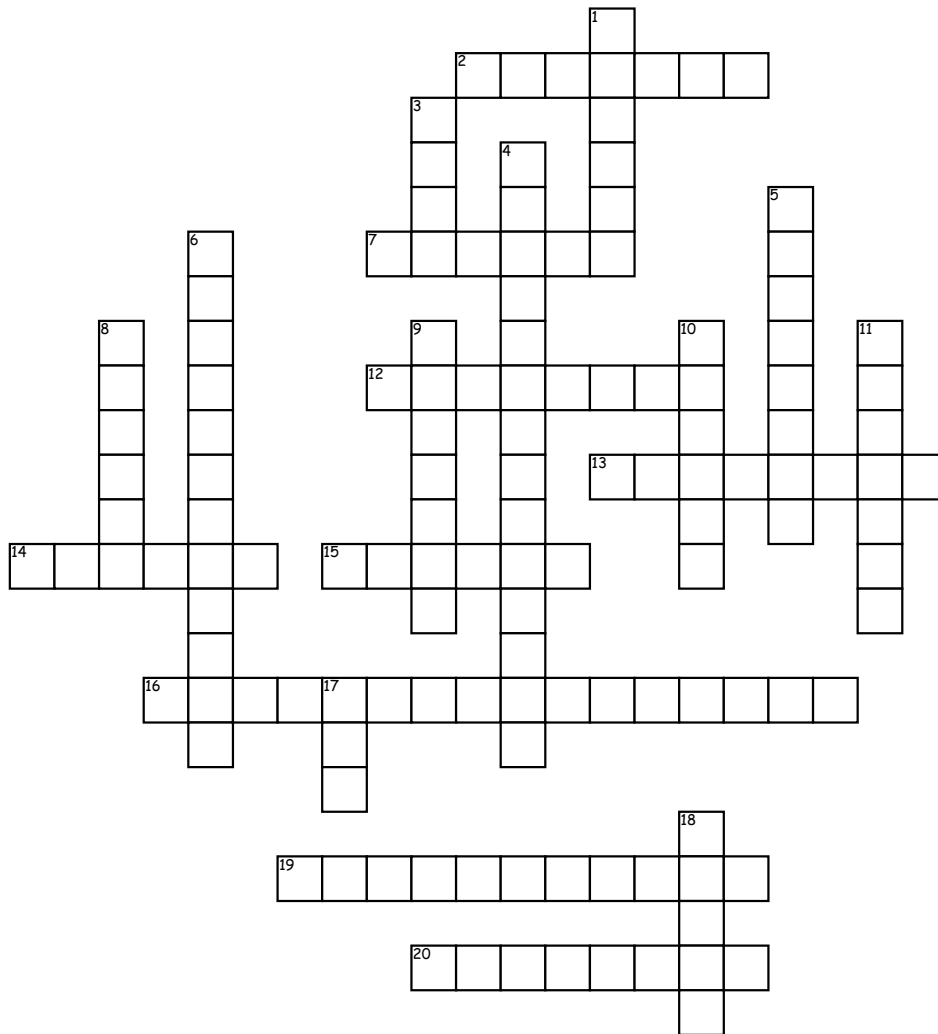


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Force & Motion



## Across

2. Resistance of an object to change speed or direction (In\_\_\_\_\_)

7. An object at rest will stay at rest, an object in motion will stay in motion unless a force is acted upon it

12. The action of one surface rubbing against another surface...

13. The speed of an object in a certain direction

14. Anything that has mass and volume

15. The change in position of an object (needs a reference point)

16. When two forces opposite from each other have different Newtons

19. Creator of all the Laws of Motion

20. The space between two points

## Down

1. Every action has a reaction.

3. The amount of matter in an object

4. When two forces from opposite directions balance out

5. The sum of all force acting upon an object.

6. The direct path from A to B

8. Another word for "thing"

9. A force pulling you down

10. acceleration is reliant on the net force acting upon the object and the mass of the object

11. The unit that used to measure force

17. System of rules that certain things must follow

18. A push or a pull

## Word Bank

Gravity

Friction

3rd law

Velocity

Object

Balanced Forces

Force

Displacement

Motion

2nd law

Newtons

Law

Issac Newton

Net Force

Matter

Mass

Inertia

Unbalanced Forces

Distance

1st law