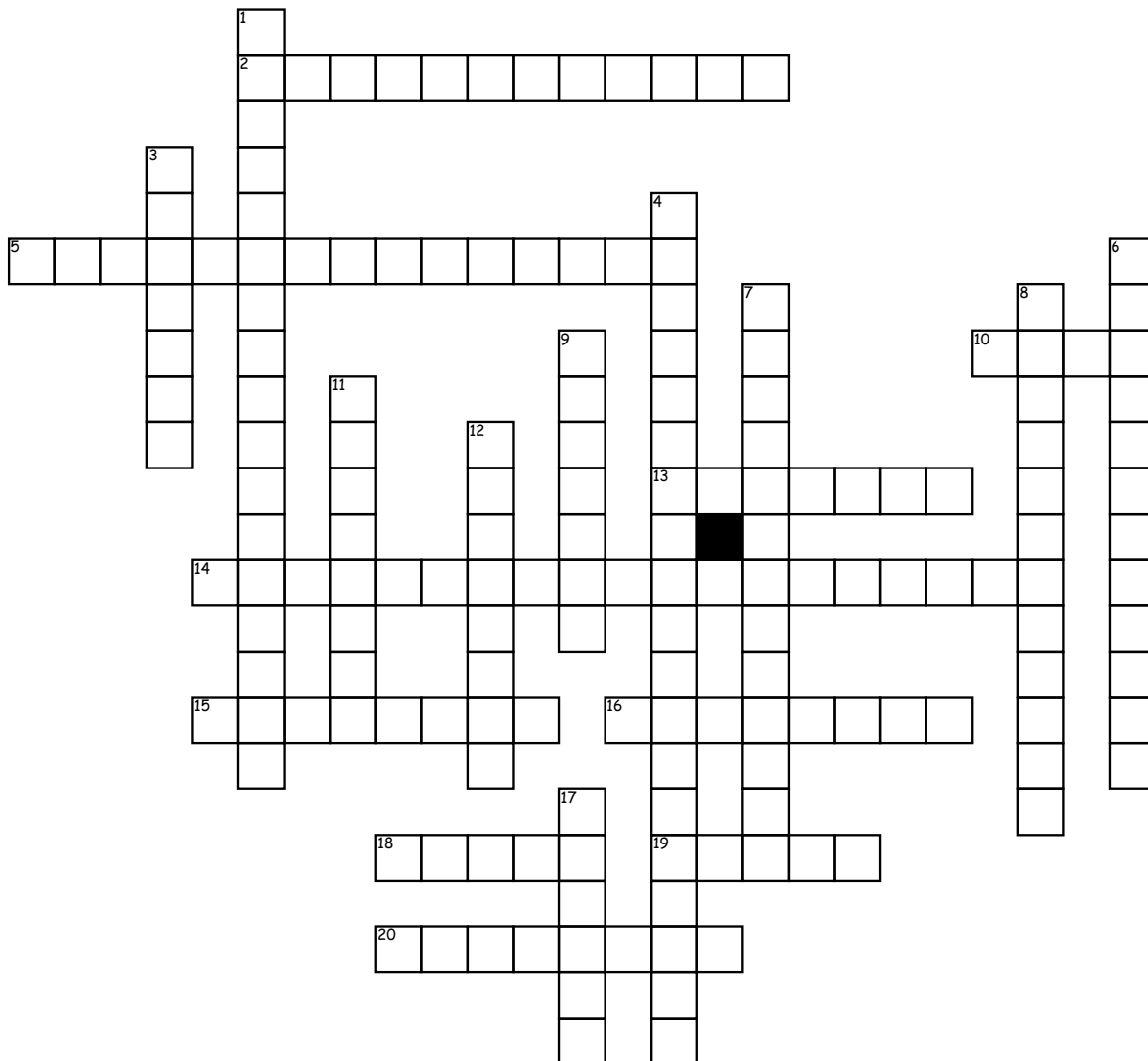


Name: \_\_\_\_\_

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

# Force and Motion Review



## Across

2. the rate of change of velocity over time

5. a force that is greater in a specific direction than the opposing force

10. the amount of matter in an object

13. a pulling force

14. Newton's 3rd law of motion

15. a measure of how difficult it is to stop something

16. Speed in a given direction

18. A push or a pull

19. distance divided by time

20. a force resisting the relative motion of surfaces

## Down

1. Newton's second law of motion

3. the force a planet exerts on an object

4. Isaac Newton created this type of instrument to see into outer space

6. difference between final velocity and initial velocity; or direction of distance between 2 points

7. A force that is equal in all directions

8. Newton's first law of motion

9. the tendency of an object to resist a change in motion

11. the overall force on an object

12. Isaac newton invented this study of mathematics

17. the unit of measurement of force