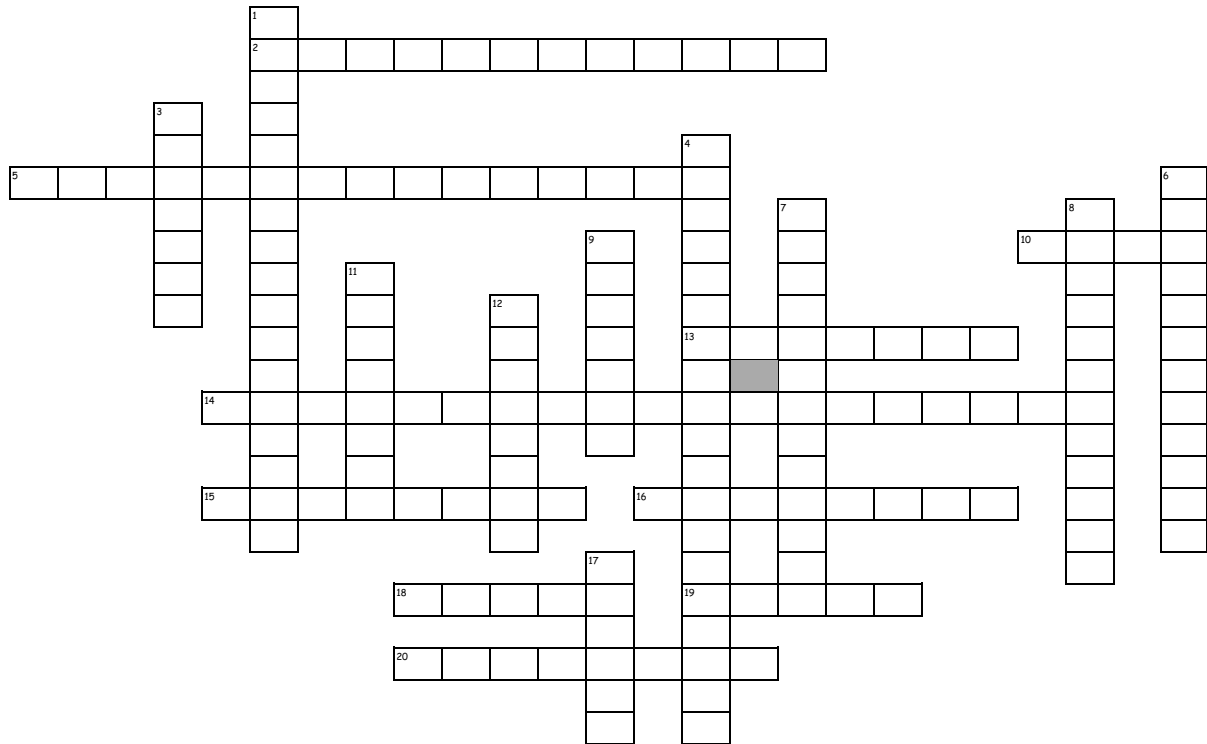


Force and Motion Review



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