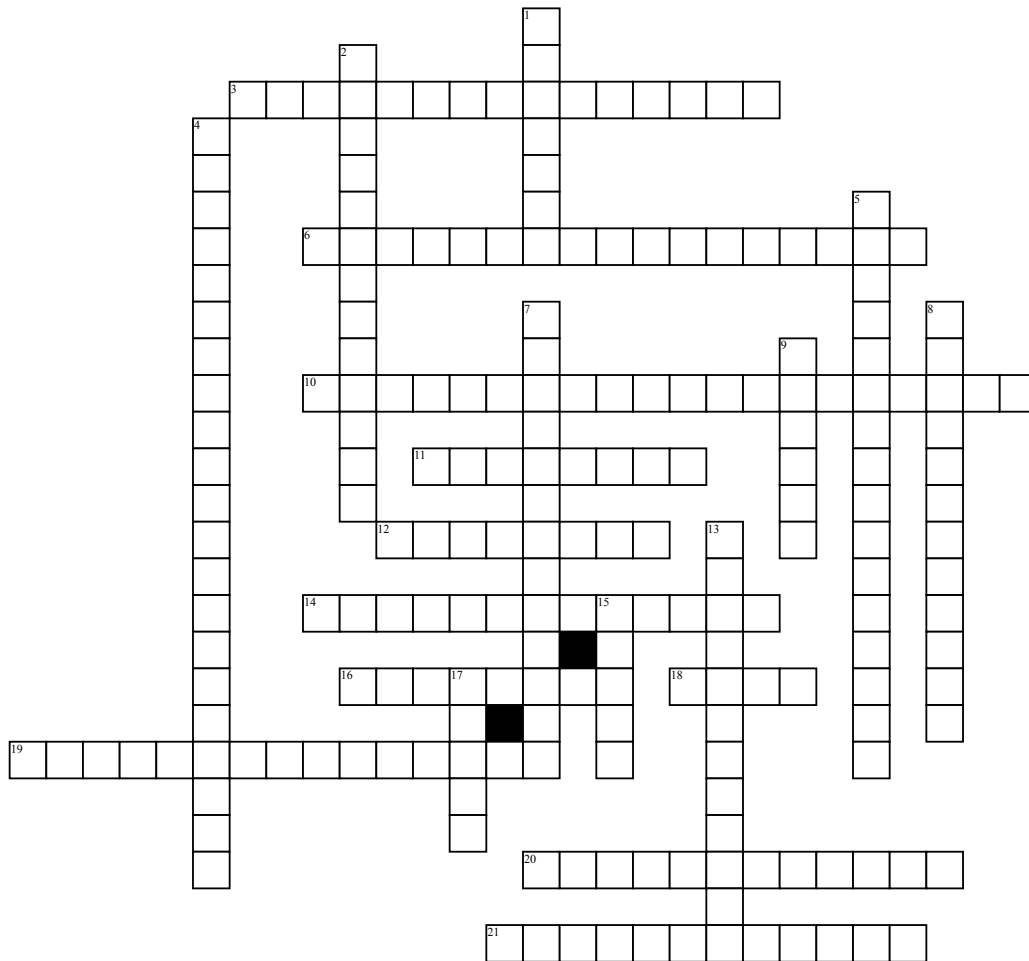


Physics



Across

- 3.** a force that changes position, speed, or direction of an object
6. Newtons third law
10. Newtons second law of motion
11. the amount of space between two people or things
12. speed of something in a given direction
14. speed does not change

- 16.** a single force that replaces the effect of the original forces on motions
18. basic SI unit of this is Kilogram
19. stored energy
20. how fast a vehicle can go in a short time
21. force that is applied

Down

- 1.** Newtons first law

- 2.** two forces acting in opposite directions
4. denoted by the letter G
5. object that is moving in a straight line at a constant speed
7. energy that moves
8. smooth
9. his first name is Isaac
13. $s=d/t$
15. the rate that something can move
17. strength or energy

Word Bank

net force	unbalanced force	force and acceleration	speed	mass
balanced force	gravitational constant	Newton	action and reaction	velocity
acceleration	inertia	force	kinetic energy	average speed
potential energy	applied force	constant speed	frictionless	constant velocity
distance				