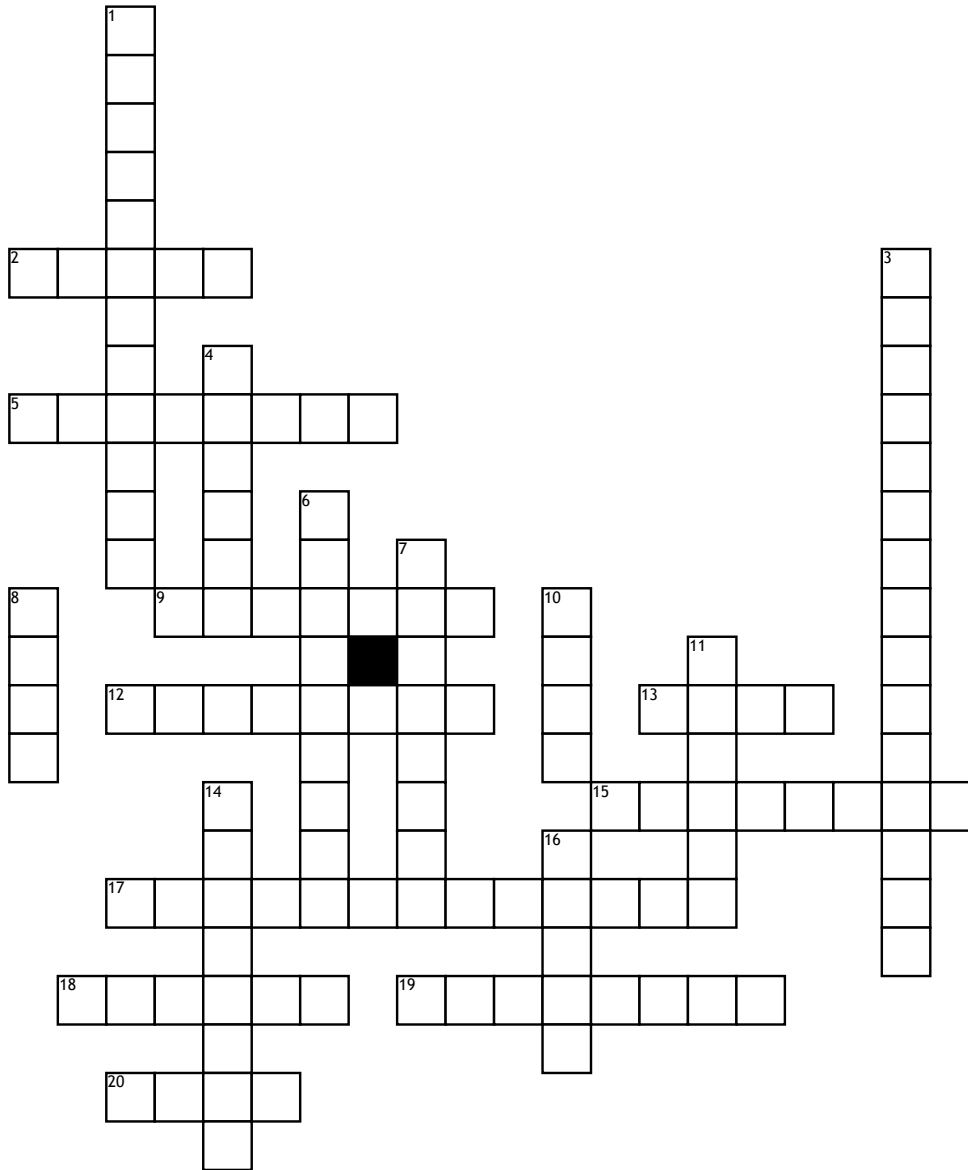


Forces



Across

2. the rate at which someone or something is able to move or operate

5. The net force is a single force that replaces the effect of the original forces on the object's motion

9. is the resistance of any physical object to any change in its velocity

12. the speed of something in a given direction

13. measurable quantity in which events occur in a sequence proceeding from the past through the present to the future

15. the resistance that one surface or object encounters when moving over another

17. two forces acting in opposite directions on an object and equal in size

18. the force one object applies to a second as in Newton's third law of motion

19. the force with which an object responds to an action as in Newton's third law of motion

20. exert force on someone or something so as to cause movement toward oneself

Down

1. the rate of change of the velocity of an object with respect to time

3. a force that changes the position speed or direction of the object to which it is applied

4. the action or process of moving or being moved

6. The way someone or something moves

7. a measure of how far an object has travelled from its starting point or how far away it is

8. exert force on someone or something

10. measurement of the amount of matter something contains

11. the way you find speed

14. the way you find distance

16. a force is any interaction that when unopposed will change the motion of an object