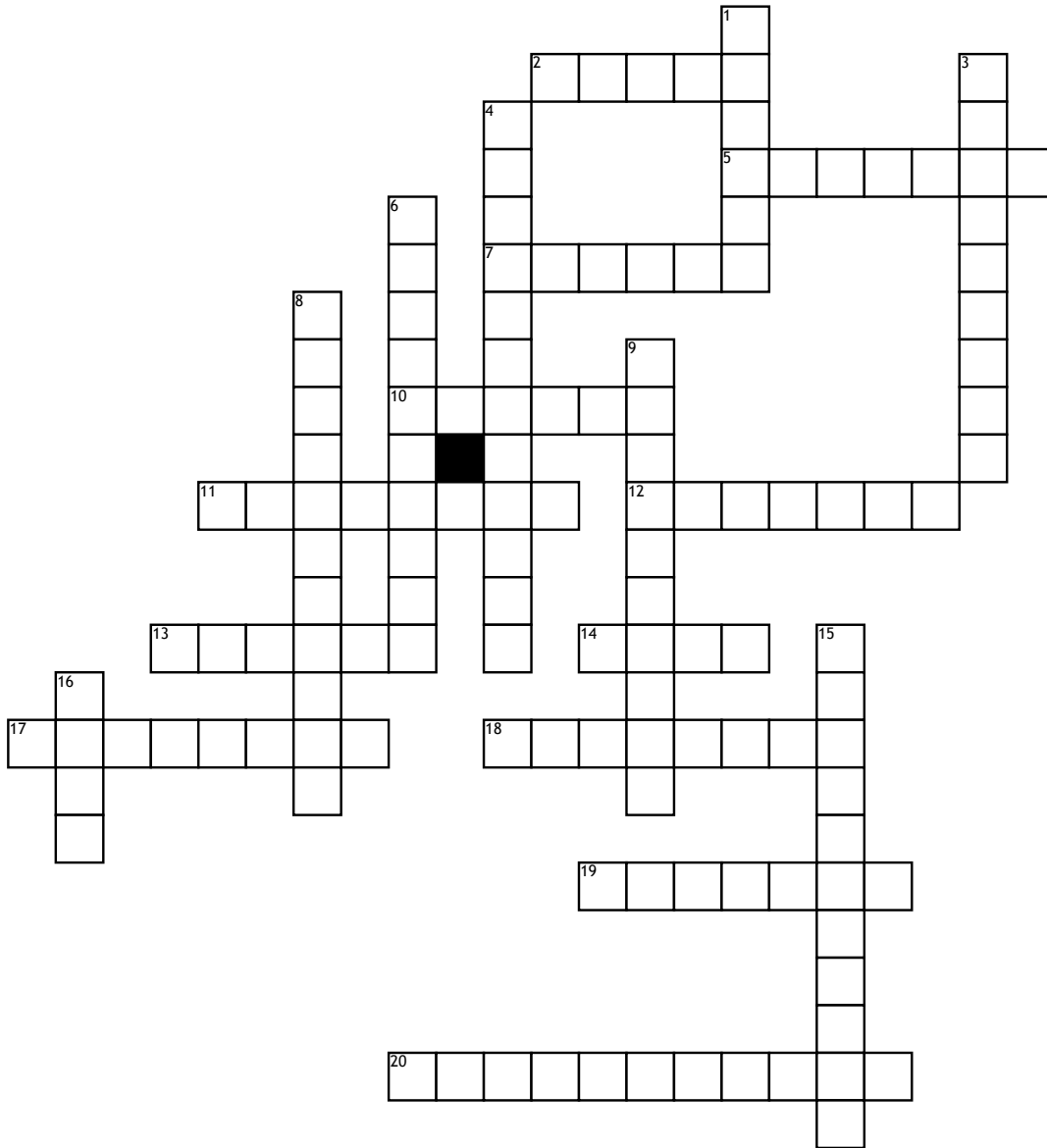


# Newton's Laws



## Across

2. \_\_\_\_ = Mass x Acceleration  
 5. The force on Earth that keeps us on the ground  
 7. Force exerted  
 10. The turning effect of a force  
 11. Distance / Speed = \_\_\_\_  
 12. An object in motion will stay in motion, and an object at rest will stay at rest, unless acted upon by an unbalanced force  
 13. The ability to do work

14. The amount of matter in an object  
 17. Mass x Velocity = \_\_\_\_  
 18. The resistance of motion when one object rubs against another  
 19. The energy of a moving object  
 20. Force directed to the center of a circle, and keeps objects from flying away

## Down

1. Measure of the pull of gravity on an object  
 3. \_\_\_\_ energy is also known as stored energy

4. Rate of change in velocity (force/mass)  
 6. The ability of an object to resist a distorting force and return to its original size and shape when that force is removed  
 8. All forces are in balance and equal 0  
 9. The weight on an object to be moved  
 15. A force that pulls outwards and away from the center of a circle  
 16. Product of Force x Distance