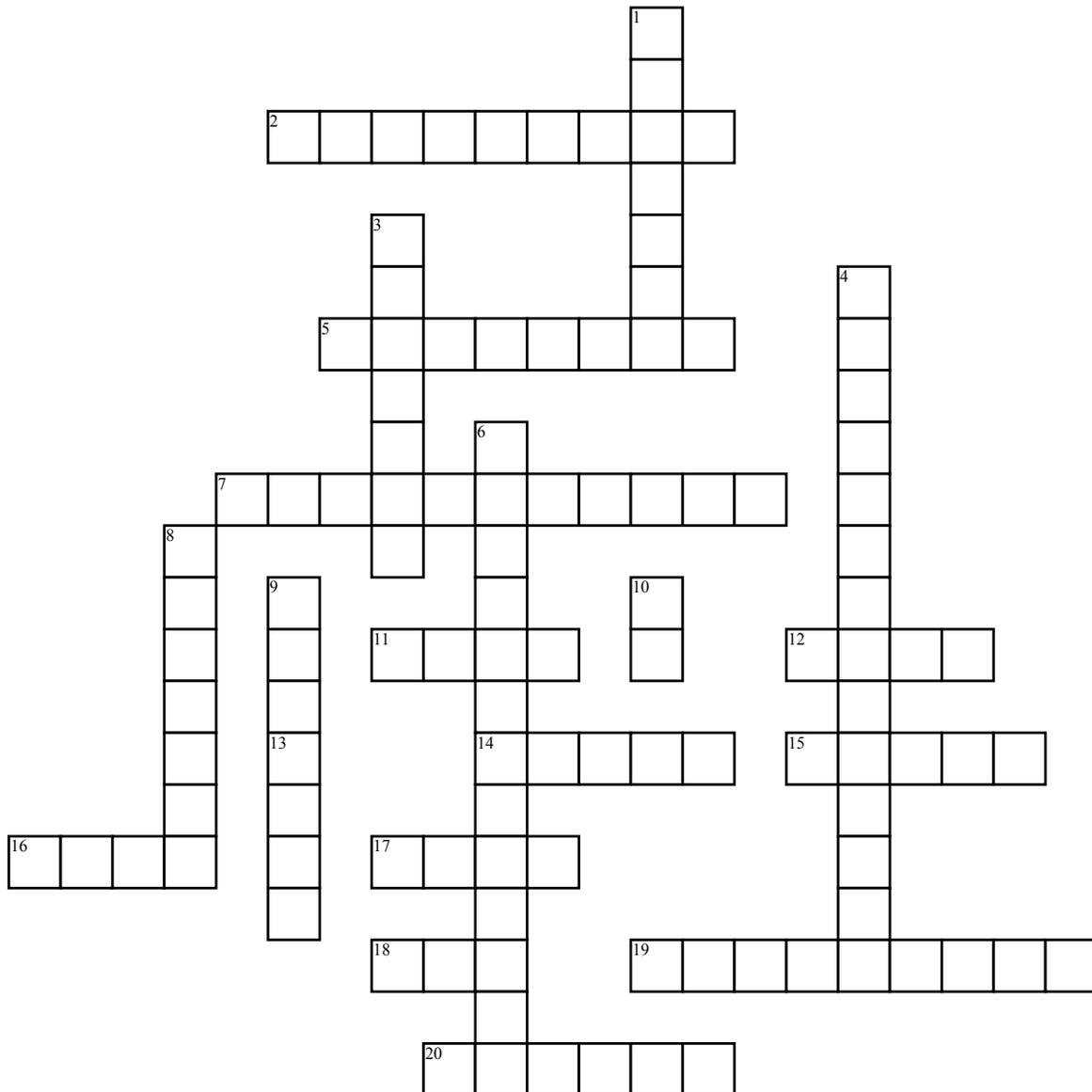


Physics Crossword



Across

- 2. If an object is moving around an external axis, then the object is _____.
- 5. The total of all forces acting on an object.
- 7. Occurs when the forces on an object are balanced so the net force on the object is zero.
- 11. True or False: Friction is increased if the objects are pressed together more.
- 12. What is represented by this equation?: $Fd=?$
- 13. If an object is in equilibrium, then the net force of the object = _____.
- 14. A push, pull, or other action that has the ability to change motion.
- 15. True or False: The range of an object is the highest vertical distance a projectile travels before touching the ground.

- 16. A mover pushes a crate with a force of 35N into his truck, which is 15m from where he started. How much work did the mover do?
- 17. A form of energy you either use or get when a force is applied over a distance.
- 18. Two horses pull on a carriage in the same direction. The first horse pulls with a force of 20N, while the other horse pulls with a force of 25N. What is the total net force of the horses?
- 19. Stored energy due to an object's position.
- 20. A quantity that includes both magnitude and direction.

Down

- 1. The energy of motion.
- 3. The property of an object that resists changes in motion.

- 4. The point or line around which an object rotates.
- 6. The distance traveled during one revolution.
- 8. A climber that weighs 45Kg stands on top of a 2000m peak. What is the climber's potential energy?
- 9. A 200Kg car is moving at 60mph. What is the kinetic energy of the car?
- 10. A girl moves her doll house using 6J of work in 3 seconds. How much power did the girl use?