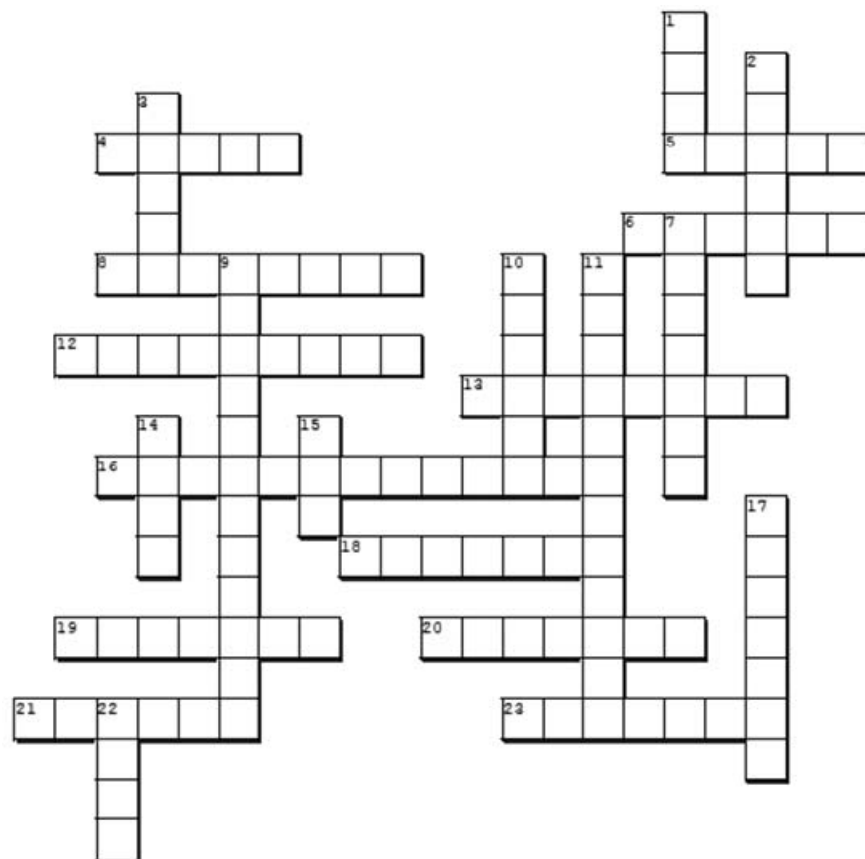


# PHYSICS DAY CROSSWORD



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## Across

4. The push or pull felt when riding a roller coaster.
5. The magnitude of the velocity of a Cannibal car.
6. Measurement of the gravitational pull on a Cannibal rider.
8. A force that resists the motion of the Cannibal cars.
12. The energy at the top of the Cannibal tower.
13. Mass times velocity.
16. The frictional force that a Cannibal car and rider experience due to air.
18. The tendency of a body to continue in the direction of motion it's currently in.
19. The science behind the Cannibal coaster.
20. The force that makes the Cannibal work!
21. The unit used to measure the force on a Cannibal rider.
23. The energy a rider has at the bottom of the Cannibal tower.

## Down

1. A measurement of the amount of material a body contains.
2. Kinetic and Potential are a type of this.
3. Rate of work done per unit time.
7. A collision in which the kinetic energy is the same before and after.
9. This says that energy is neither created nor destroyed.
10. Amusement park where physics is learned!
11. Time rate of change of velocity.
14. Each of these uses physics concepts to work. They are the reason we go to amusement parks!
15. The university behind Physics Day!
17. An acceleration ratio to the acceleration of gravity.
22. The force on a body times the distance the force is acting.