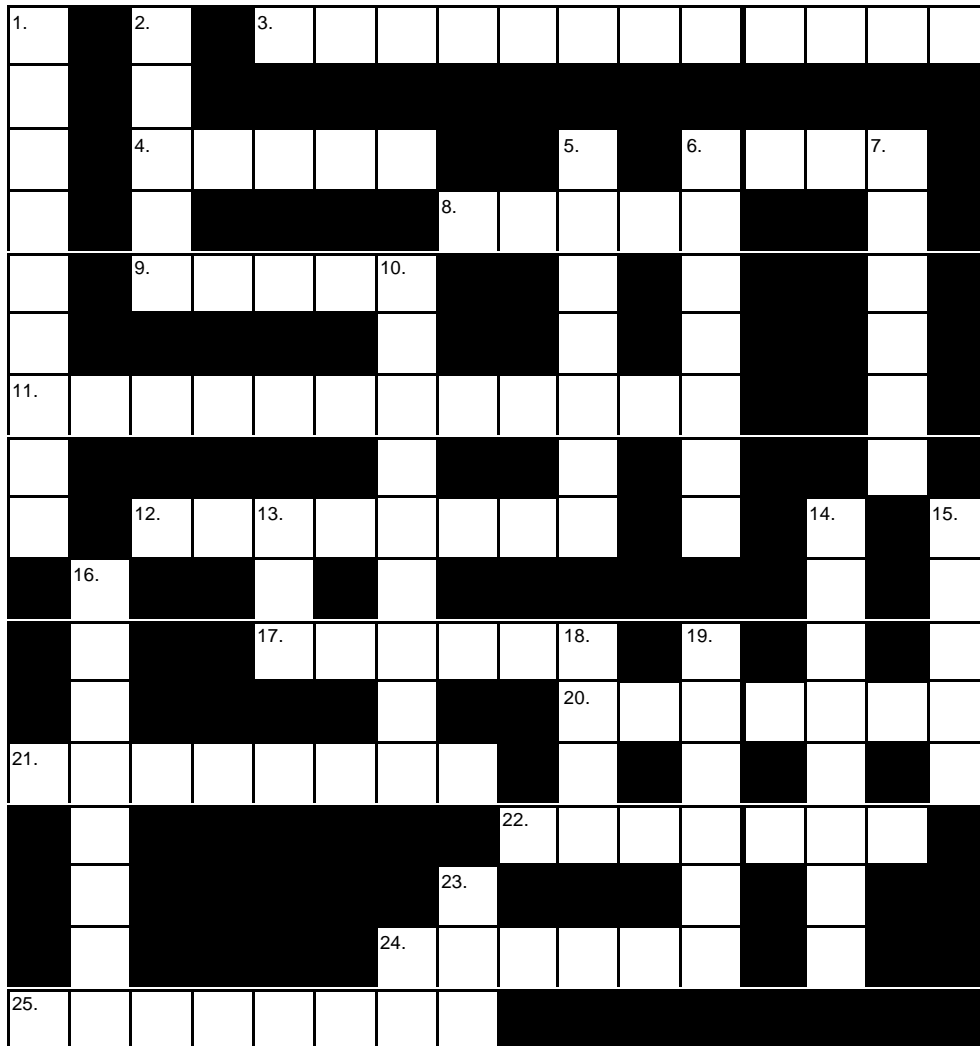


# Crossword Puzzle: *Newton's Laws*



## ACROSS

3. Negative acceleration (slowing down)
4. What Sir Newton's friends may have called him.
6. .smargolik ni derusaem si sihT
8. Mass x acceleration = ?
9. How fast something goes (measured in m/s)
11. This quantity is how fast the speed is changing.
12. This includes how fast something travels *and* in which direction.
17. Mass x gravity = ?
20. Newton's 1<sup>st</sup> Law summed up in one word!
21. Not changing. (Ex: if your acceleration is zero, you're said to be going at a \_\_\_\_\_ speed.)
22. Units for both #8 and #17 across.
24. Newton's Laws of \_\_\_\_\_. (means "movement")
25. Newton's 3<sup>rd</sup> Law: For every action, there is an equal and opposite \_\_\_\_\_.

## DOWN

1. Units of mass. (Equal to 1000 grams).
2. Examples include: seconds, meters, newtons, etc.
5. Is approximately 10 m/s<sup>2</sup> on Earth.
6. Units of time. Also, what you want when it comes to dessert.
7. Units for #14 down.
10. Velocity includes both speed *and* \_\_\_\_\_.
13. Newton's 2<sup>nd</sup> \_\_\_\_\_ can be summed up as  $F = ma$ .
14. How far something is from something else.
15. Newton's 3<sup>rd</sup> Law says forces come in pairs that are \_\_\_\_\_ to each other in magnitude...
16. ...but \_\_\_\_\_ each other in direction.
18. Watches, hourglasses, calendars all measure this.
19. Last name of Sir Isaac's parents.
23. Non-metric weight equal to 2000 lbs.
24. *Modus operandi* - a criminal's method or pattern.