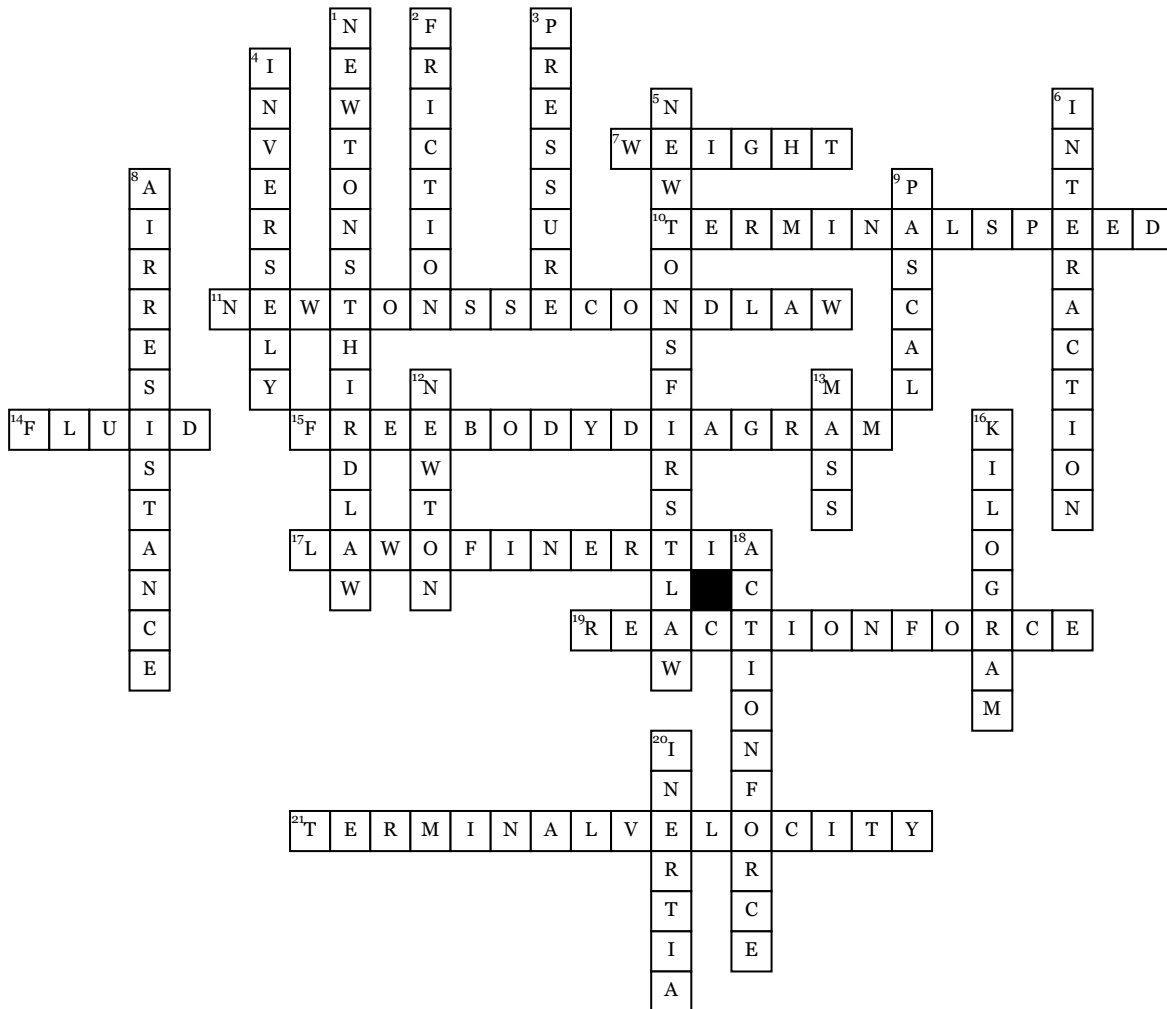


# Physics Crossword Puzzle



## Across

7. Measure of the force of gravity on a body

10. Maximum speed of a falling object

11. Acceleration of an object depends on the net force acting on it and the mass of the object

14. Substance that continually deforms (flows) under an applied shear stress

15. Used to show the relative magnitude and direction of all forces acting upon an object in a given situation

17. Similar to Newton's First Law

19. Force acting in the opposite direction

21. Velocity at which a falling object stops accelerating

## Down

1. For every action, there is an opposite reaction.

2. Resistance that one surface object encounters when moving over another

3. Force per unit area: standard unit is the Pascal

4. One value increases at the same rate that the other decreases

5. Object at rest will stay at rest and an object in motion will stay in motion with the same speed and in the same direction unless acted upon by an unbalanced force

6. Process by which elementary particles interact with each other

8. Frictional force air exerts on a moving object

9. 1 newton per square meter

12. International System of Units - Unit of force

13. The quantity of matter in a body

16. Unit of mass equal to 1000 grams

18. Force acting in one direction

20. The resistance an object has to a change in its state of motion