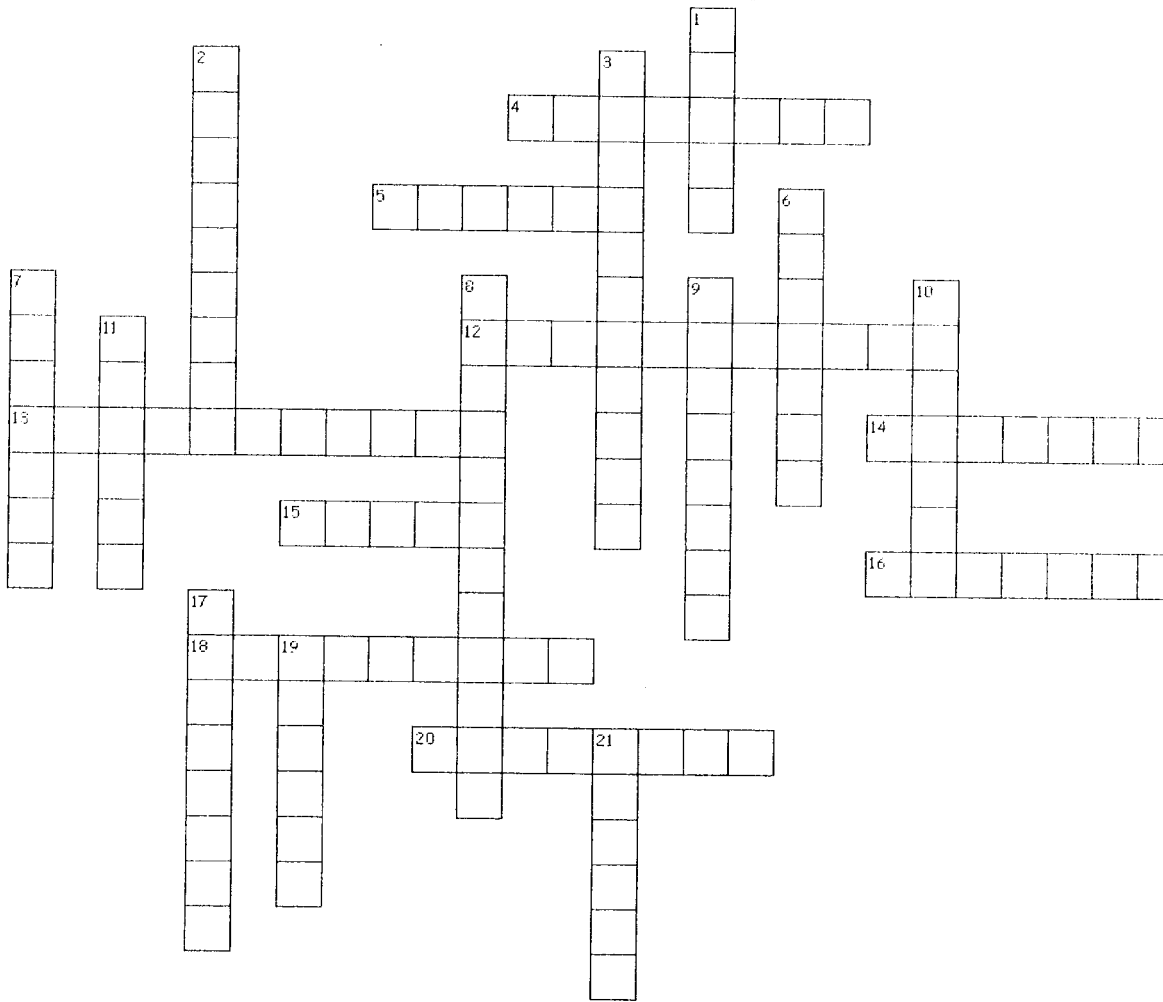


Motion, Force, & Momentum



Across

4. Motion of an object when only the force of gravity acts on an object
5. The measure of gravitational force on an object
12. Force exerted when an object is pushed or squeezed
13. The device used to measure friction in the sliding shoe activity
14. The force that opposes motion
15. a push or pull on an object
16. When the net force is 0 N, forces are said to be _____
18. The collision in which two objects stick together
20. This refers to the quality of motion

Down

1. If $m=5\text{kg}$, $v=10\text{m/s}$, what is p ?
2. Velocity is made of two things: a speed and _____
3. The unbalanced force that makes objects move in a circular path
6. Force that acts when an object is stretched
7. The collision in which two objects do not stick together
8. The rate of change of velocity with time
9. Newton's third law - to every action exists an equal _____
10. The reason why moving objects tend to stay in motion and cannot stop immediately
11. Support force applied by the floor
17. Gravity gets affected by two factors - mass and _____
19. If $F = 18.7\text{N}$, $m=17\text{kg}$, acceleration = $??$ m/s^2
21. Scientist who discovered gravity