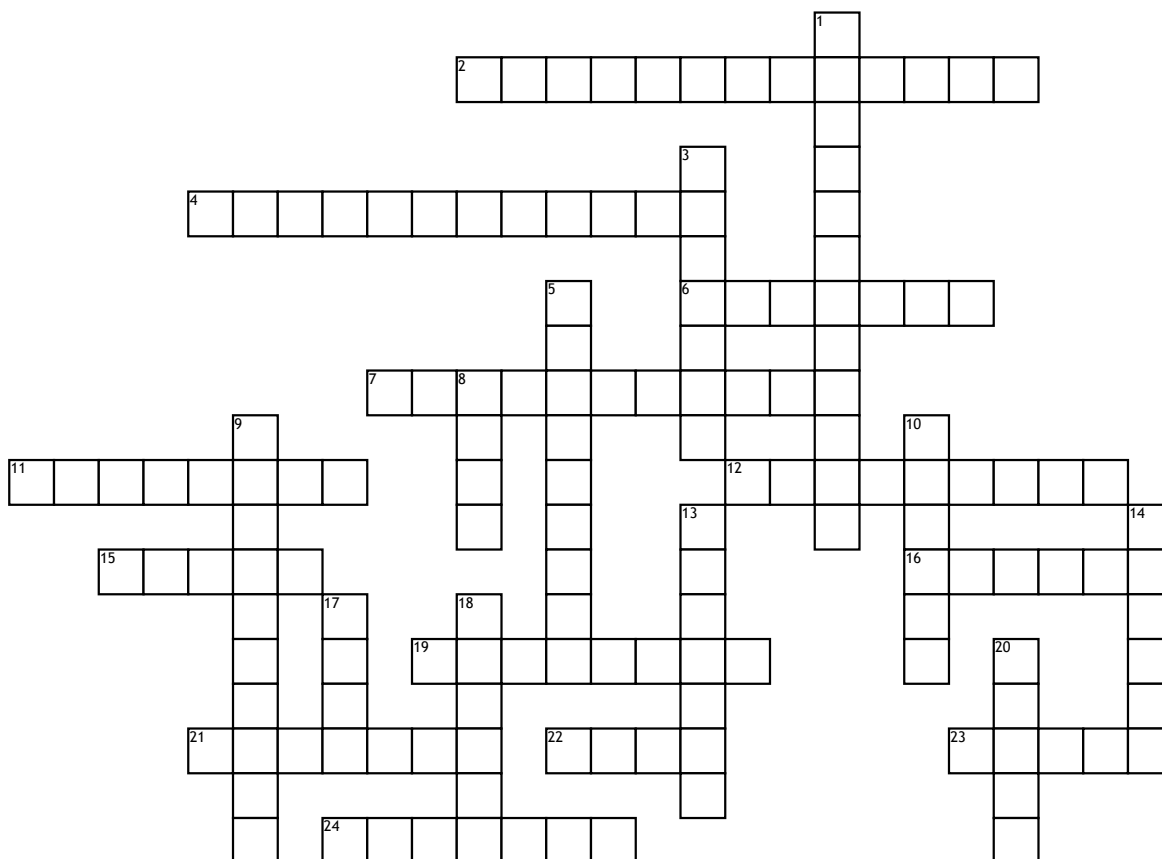


Name: _____ Date: _____

Year 12 Physics - Mechanics Revision



Across

2. This energy increases when you throw the ball upwards
4. Unbalanced forces cause this
6. Another name for pivot
7. The condition when torque and forces are balanced
11. This causes a loss of energy as heat
12. Momentum is _____ in all collisions
15. Metres per second AND a scalar quantity
16. Force x Perpendicular Distance
19. Mass x Velocity

21. G.P.E. changes into this when a ball falls

22. This is inversely proportional to acceleration given a constant Force

23. Rate of transformation of energy

24. _____ Potential Energy is found in springs

Down

1. Distance AND Direction

3. Balanced forces result in _____ velocity

5. 1000 Units of Energy

8. Watts, metres per second, Newton.metre

9. The study of moving objects without reference to the forces involved

10. Unit of Force

13. Change of momentum

14. A quantity that has size and direction

17. Speed = Distance divided by _____

18. Newton's 1st, 2nd and 3rd Laws involve these

20. This scientist had a law about springs named after him