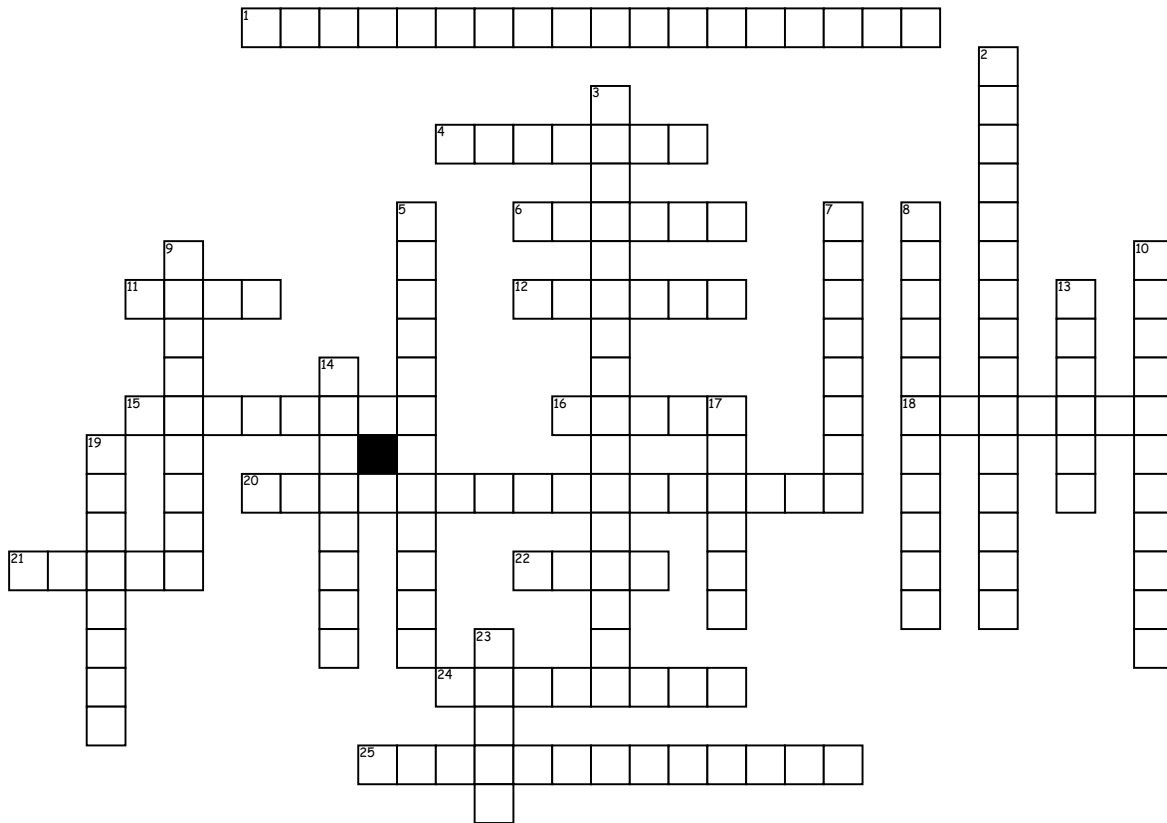


# Quarter 2 Vocabulary Word Search



**Across**

- 1. Colliding object that became distorted and generated heat
- 4. Product of force and time interval during which the force acts
- 6. A set of connected things
- 11. Force multiplied by distance
- 12. The force on a body due to gravitational attraction of another body
- 15. The sum of all the forces acting on an object
- 16. A push or pull on an object
- 18. The reluctance of any body to change its state of motion
- 20. KE+PE; The position or movement of something

- 21. How fast something is moving; MPH or KPH
  - 22. Measure of an objects inertia; amount of matter in an object
  - 24. A measure of the motion of a body equal to the product of its mass and velocity.
  - 25. Energy of motion, equal to half the mass multiplied by the speed squared
- Down**
- 2. Energy of position; relative position of something
  - 3. Colliding objects rebound without lasting deformation
  - 5. The rate at which velocity is changing
  - 7. Speed with direction

- 8. A state of balance
- 9. physical quantity that remains unchanged during interaction
- 10. An object resting on a horizontal surface; upward force that balances weight
- 13. arrow; length=size point=direction
- 14. The resisting force; backwards force
- 17. The property of an object of an object of a system that enables it to do work
- 19. Motion under the influence of the gravitational force only
- 23. Rate when work is done; Energy transformed divided by time