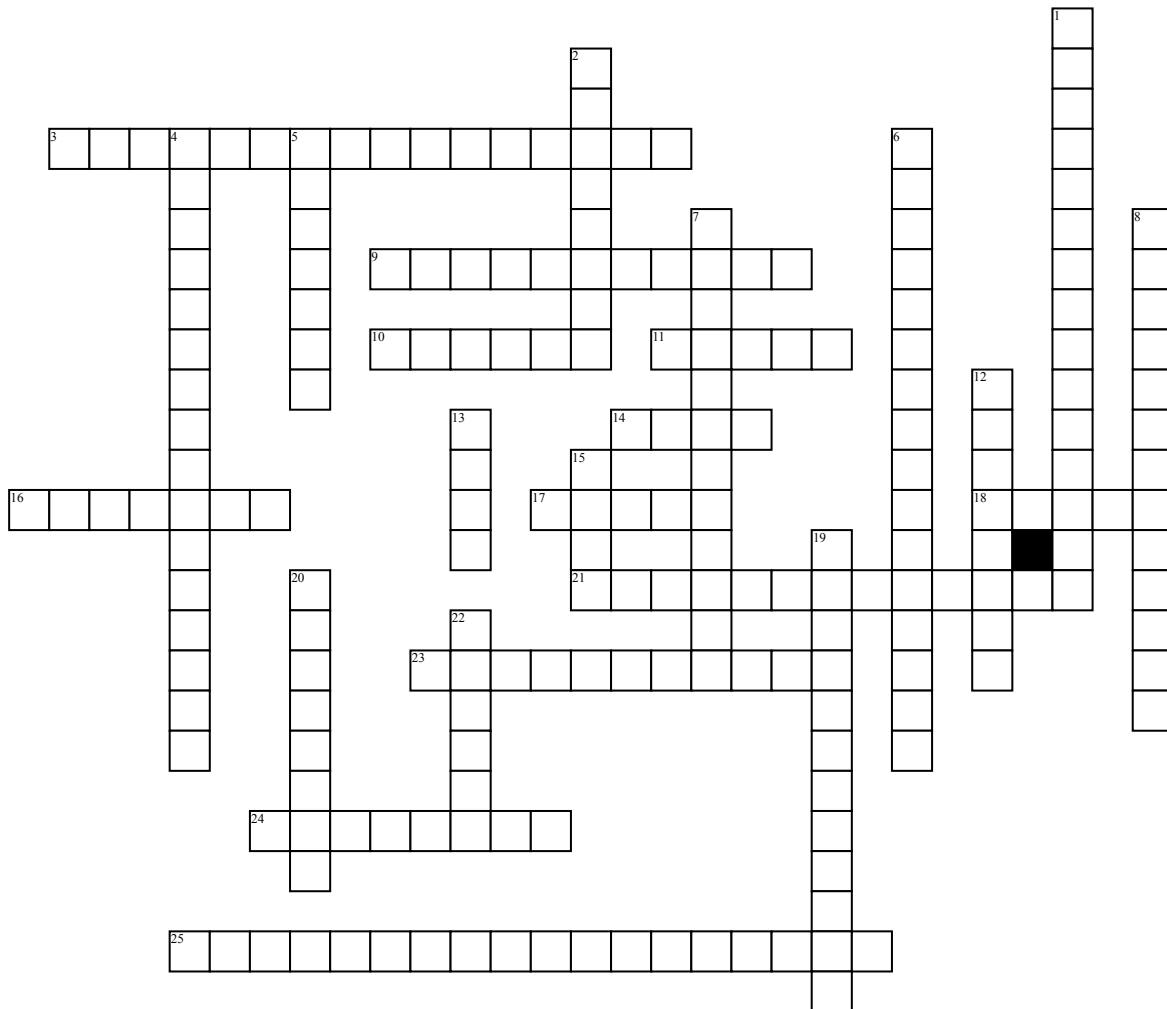


Name: \_\_\_\_\_

# Quarter 3 Get 50



## Across

3. A physical quantity varies inversely as another quantity squared.
9. A state of balance
10. the ability to do work
11. The distance an object travels per unit of time
14. The energy transferred between objects that are at different temperatures
16. change in momentum
17. SI unit of energy
18. A push or pull exerted on an object
21. energy of motion
23. A measure of how hot or cold something is.
24. mass x velocity

25. A collision in which the colliding objects become distorted, generate heat, and possibly stick together.

## Down

1. stored energy that results from the position or shape of an object
2. Speed in a given direction
4. A collision in which colliding objects rebound without lasting deformation or the generation of heat.
5. a measure of the disorder of a system
6. the energy associated with the motion and position of everyday objects

7. Distance and direction of an object's change in position from the starting point.

8. The total energy of motion in the particles of a substance
12. The combination of all forces acting on an object
13. the amount of matter in an object
15. Force exerted on an object that causes it to move
19. The rate at which velocity changes
20. A force that opposes motion between two surfaces that are in contact
22. A measure of the force of gravity on an object