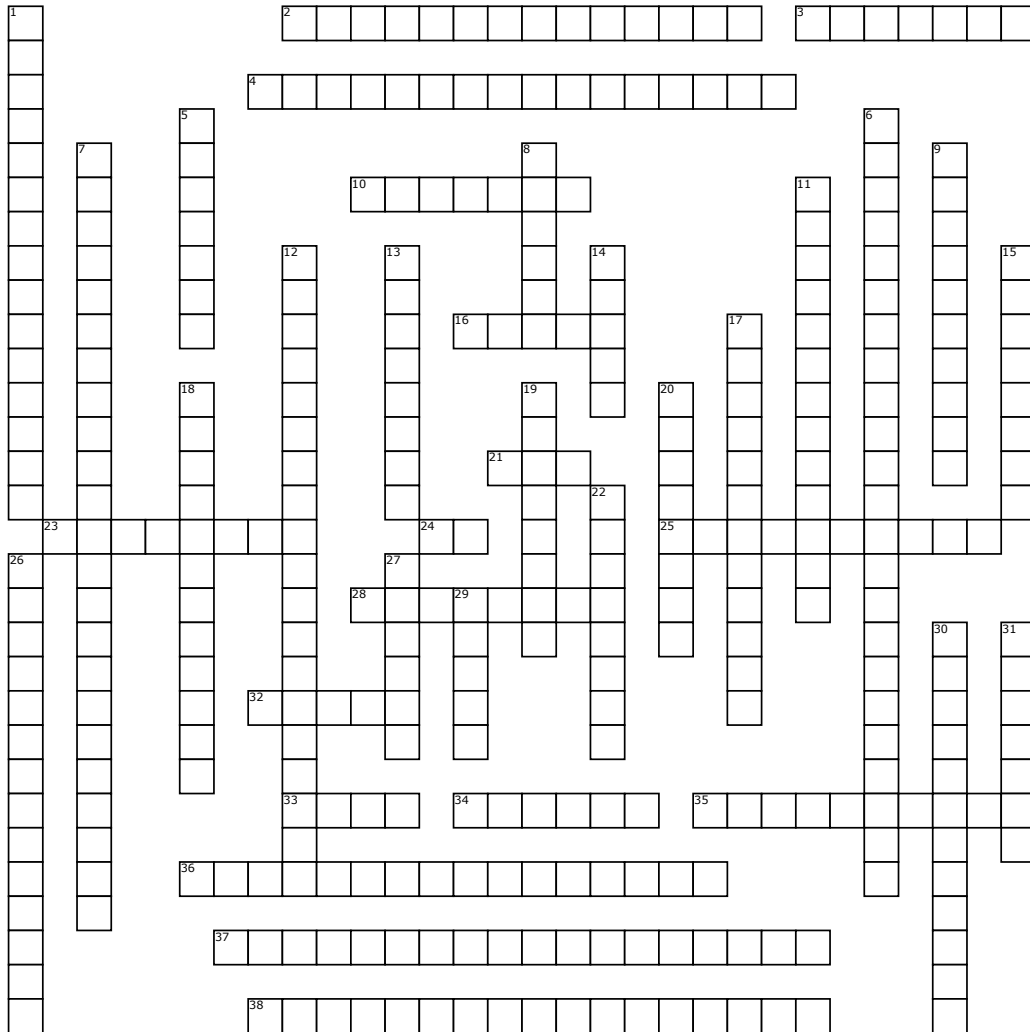


Chapters 1-3



Across

- 2. forces on an object that are equal in size and opposite in direction
- 3. measurement of the quantity of matter in an object
- 4. net force exerted toward the center of a curved path
- 10. standard by which the test results can be compared
- 16. distance an object travels per unit of time
- 21. statement about what happens in nature and that seems to be true consistently
- 23. quantity that can have more than one single value
- 24. standards of measurements universally accepted and understood by scientists throughout the world
- 25. application of science to help people
- 28. when two or more forces act on an object at the same time, the forces combine to form the _____
- 32. visual display of info or data
- 33. preconceived expectations that changes how the results are viewed
- 34. an explanation of things or events based on knowledge gained from many observations and investigations

- 35. tests the effect of one thing on another using controlled conditions
 - 36. an organized set of investigation procedures
 - 37. speed at a given point in time
 - 38. value changes according to the changes in other variables
- Down**
- 1. force that opposes the motion of two surfaces sliding past each other
 - 5. tendency of an object to resist any change in its motion; tendency of an object to resist any change in its motion
 - 6. to every action force there is an equal and opposite reaction force
 - 7. acceleration toward the center of a curved or circular path
 - 8. amount of space occupied by an object
 - 9. possible explanation for a problem using what you know and what you observe
 - 11. (friction-like force) opposes the motion of objects of objects that move through the air
 - 12. variable you change to see how it will affect the dependent variable

- 13. how far an object moves
- 14. represents an idea, event, or object to help people better understand
- 15. the force that opposes the sliding motion of two surfaces that are touching each other
- 17. distance and direction of an object's change in position
- 18. total distance traveled divided by the total time of traveled
- 19. exact quantity that people agree to use to compare measurements
- 20. a factor that never changes/stays the same throughout
- 22. product of an object's mass and velocity; $p = mv$
- 26. frictional force that prevents two surfaces from sliding past each others
- 27. the gravitational force exerted on an object
- 29. a push or pull
- 30. rate of change of velocity
- 31. attractive force between any two objects that depends on the masses of the objects and the distance between them

Word Bank

Friction	Static Friction	Density	Average Speed	Net Force
Acceleration	Scientific Method	Dependent Variable	Newtons Third Law of Motion	Inertia
Technology	Distance	Air-Resistance	Weight	Instantaneous Speed
Volume	Constant	Variable	Graph	Bias
Gravity	Control	Theory	Independent Variable	Force
Law	Displacement	Speed	Momentum	Standard
Balanced Forces	Centripetal Force	Sliding Friction	Experiment	SI
Model	Centripetal Acceleration	Hypothesis		