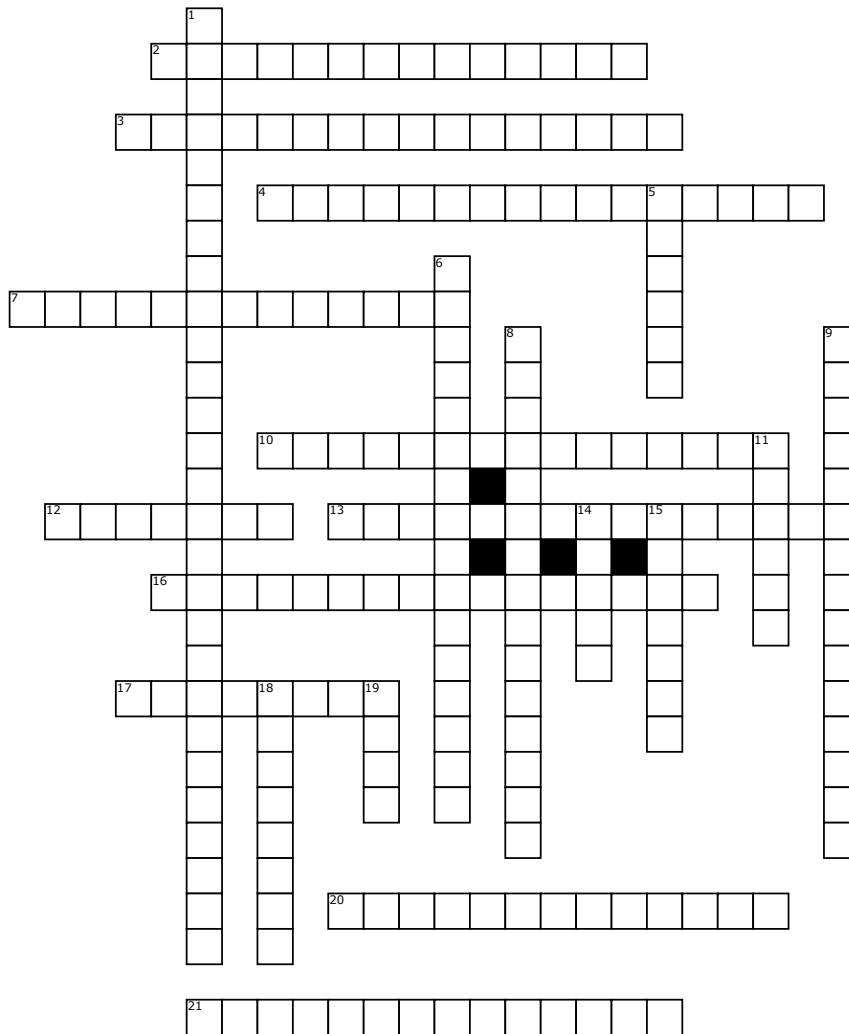


Chapter 12 Vocab Crossword



Across

- 2.** Forces that combine to produce a net force.
3. The curved path of an object in free fall after it is given an initial forward velocity.
4. The acceleration of an object is equal to the net force acting on it divided by the object's mass.
7. Fluid friction acting on an object moving through the air.
10. For every action, there is an equal and opposite reaction.
12. The attraction between any two objects because of their mass.
13. A friction force that acts on rolling objects, caused by the change in shape at the point of rolling contact.

Word Bank

Fluid Friction
 Terminal Velocity
 Momentum
 Static Friction
 Newton's Third Law
 Law of Conservation of Momentum
 Weight

- 16.** A force that results when the net force acting on an object is not equal to zero.
17. The product of an object's mass and its velocity.
20. A friction force that opposes the motion of an object through a fluid.
21. A friction force that acts on objects that are not moving.

Down

- 1.** Law stating that the total momentum of a system does not change if no net force acts on the system.
5. The SI unit for force, equal to the force that causes a 1-kilogram mass to accelerate at a rate of 1 meter per second squared.
6. The constant velocity of a falling object when the force of air resistance equals the force of gravity.

- 8.** The state of motion of an object does not change as long as the net force acting on the motion is zero.
9. A friction force that opposes the motion of an object as it slides over a surface.
11. The force of gravity acting on an object.
14. A push or a pull that acts on an object.
15. The tendency of an object to resist a change in its motion.
18. The overall force acting on an object after all the forces are combined.
19. The amount of matter in an object.

Newton's First Law
 Projectile Motion
 Balanced Forces
 Newton
 Force
 Newton's Second Law
 Sliding Friction

Mass
 Unbalanced Forces
 Air Resistance
 Net Force
 Inertia
 Rolling Friction
 Gravity