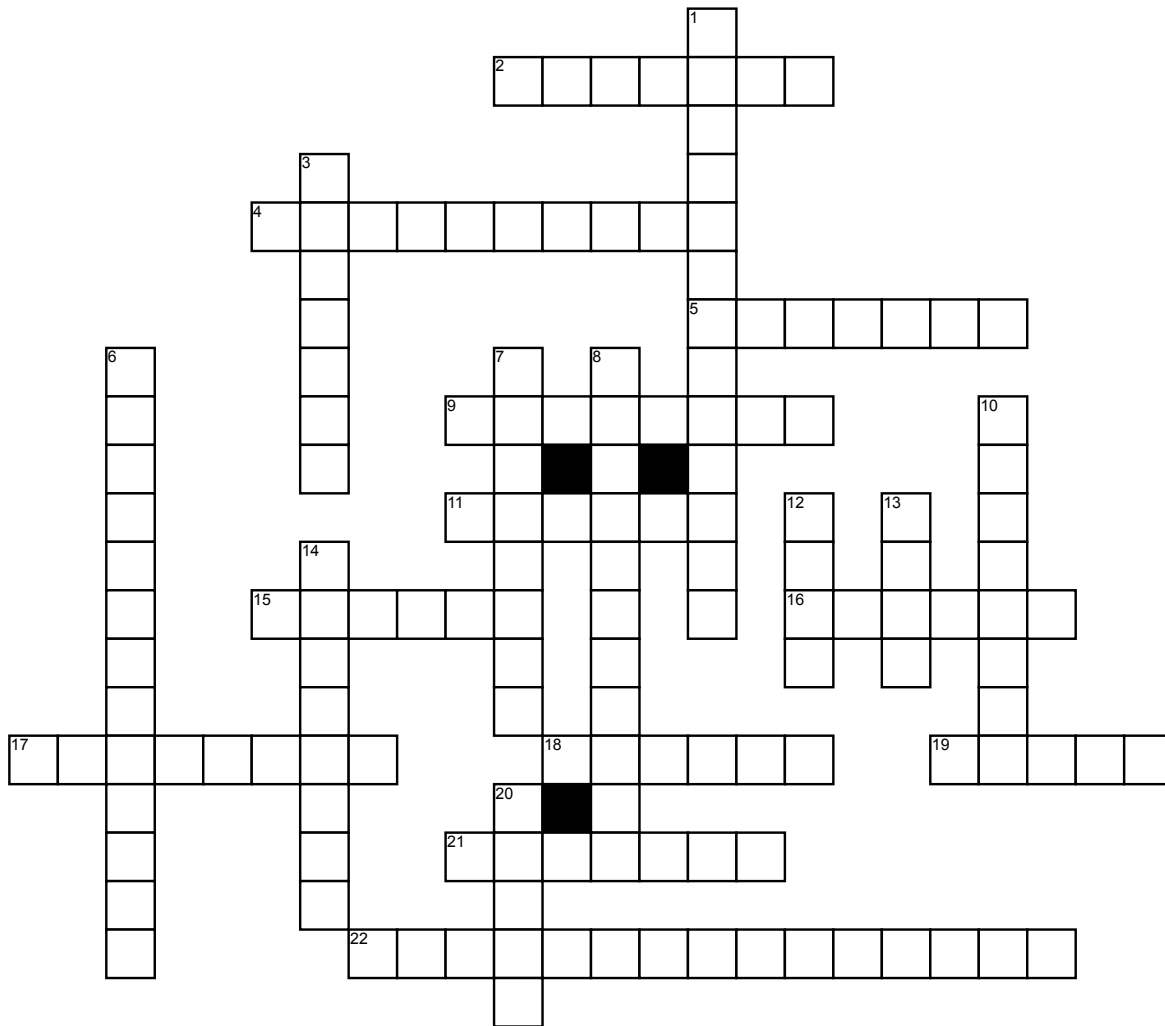


Chapter 12 Forces and Motion



Across

2. _____ Friction is a force that opposes the direction of motion of an object as it slides over a surface
4. _____ motion is the motion of an object after it is given an initial forward velocity?
5. What is the tendency of an object to resist a change in its motion?
9. _____ is the product of an object's mass and its velocity
11. One _____ is equal to 1 kilogram-meter per second squared
15. The force of gravity acting on an object is _____
16. _____ Friction is the friction force that acts on objects that are not moving
17. What is a force that opposes the motion of objects that touch as they move past each other?

18. the _____ nuclear force is a powerful force of attraction that acts only on the protons and neutrons in the nucleus, holding them together

19. The force of _____ friction opposes the the motion of an object through a fluid
21. The change of shape at the point of rolling contact is the cause of _____ friction
22. A _____ force is associated with charged particles?

Down

1. Fluid friction acting on an object moving through air is called _____
3. What is a force that acts between any two masses?
6. An attractive force that acts between any to masses is called a _____ force

7. According to the law of conservation of _____, if no net force acts on a system, then the total momentum of the system does not change

8. A _____ force is a center-directed force that continuously changes the direction of an object to make it move in circles

10. _____ velocity is the contact velocity of a falling object when the force of air resistance equals the force of gravity

12. _____ is a measure of the inertia and depends on the amount of matter the object contains

13. The _____ nuclear force is an attractive force that acts only over a short range

14. What is the overall force acting on an object after all forces combine?

20. What is a push or pull that acts on an object?