

Forces • Vocabulary Skill

Key Terms

Use the clues to help you find Key Terms hidden in the puzzle below. The terms may occur vertically, horizontally, or diagonally.

1. A Force is a push or pull.
2. The overall force on an object after all forces are added together is called the net force.
3. The tendency of an object to resist change in its motion is called Inertia.
4. The amount of matter in an object is called mass.
5. One newton equals the force required to accelerate 1 kilogram of mass at 1 meter per second per second.
6. The force that one surface exerts on another when the two rub against each other is called friction.
7. When solid surfaces slide over each other, the kind of friction that occurs is sliding friction.
8. The friction that occurs when an object moves through a fluid is called fluid friction.
9. The force that pulls objects toward Earth is gravity.
10. When the only force acting on a falling object is gravity, the object is said to be in free fall.
11. Objects falling through air experience a type of fluid friction called air resistance.
12. The force of gravity on a person or object at the surface of a planet is known as weight.
13. The momentum of an object is the product of its mass and velocity.
14. Any object that travels around another object in space is a(n) satellite.

