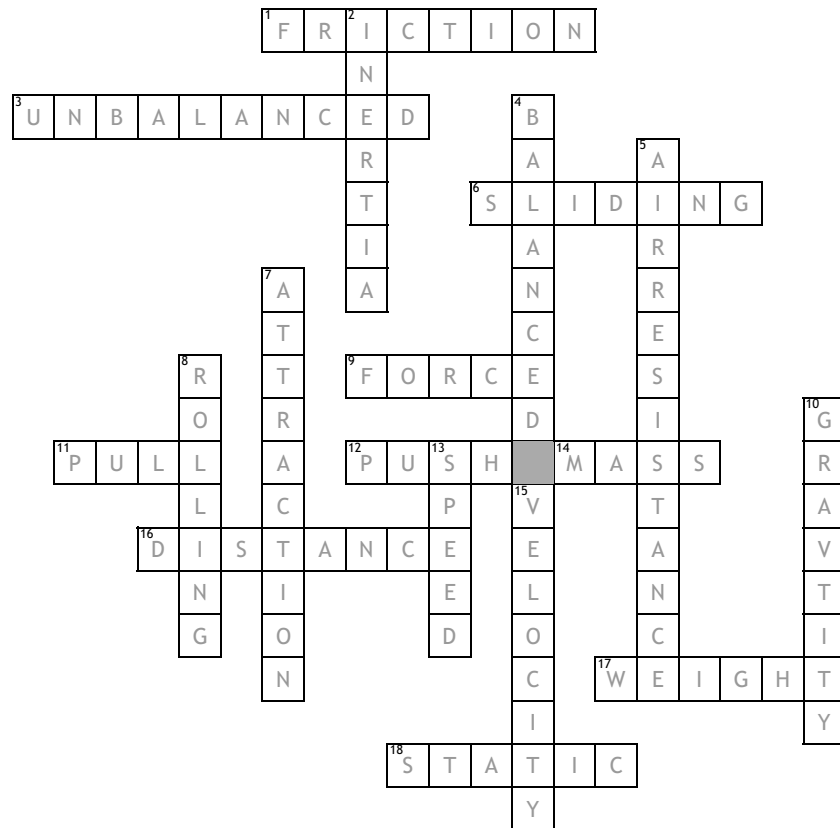


Name: _____

Forces and Motion Crossword Puzzle



Across

1. A force that opposes motion between 2 surfaces in contact.
3. This type of forces produces a change in motion.
6. When 2 solid surfaces slide past each other.
9. A vector quantity that tends to produce an acceleration of a body in the direction of its application.
11. The alternate force of push.
12. The force of moving something in a certain direction.
14. A property of matter equal to the measure of an object's resistance to changes in either the speed or direction of its motion.
16. Gravitational force decreases as _____ increases.
17. The force with which a body is attracted to Earth or another celestial body, equal to the product of the object's mass and the acceleration of gravity.
18. A type of friction that occurs when a force is applied and does not cause an object to move.

Down

2. The tendency of a body to resist acceleration; the tendency of a body at rest to remain at rest or of a body in straight line motion to stay in motion in a straight line unless acted on by an outside force.
4. This type of force will not cause a non-moving object to start moving and will not cause a change in the motion of a moving object.
5. The force that opposes the motion of objects through air.
7. Gravity is a force of _____ between objects due to their masses.
8. This type of friction is when one surface rolls past another.
10. The natural force of attraction exerted by a celestial body, such as Earth, upon objects at or near its surface, tending to draw them toward the center of the body.
13. How fast an object is going with respect for an object.
15. A measure of speed in a given direction