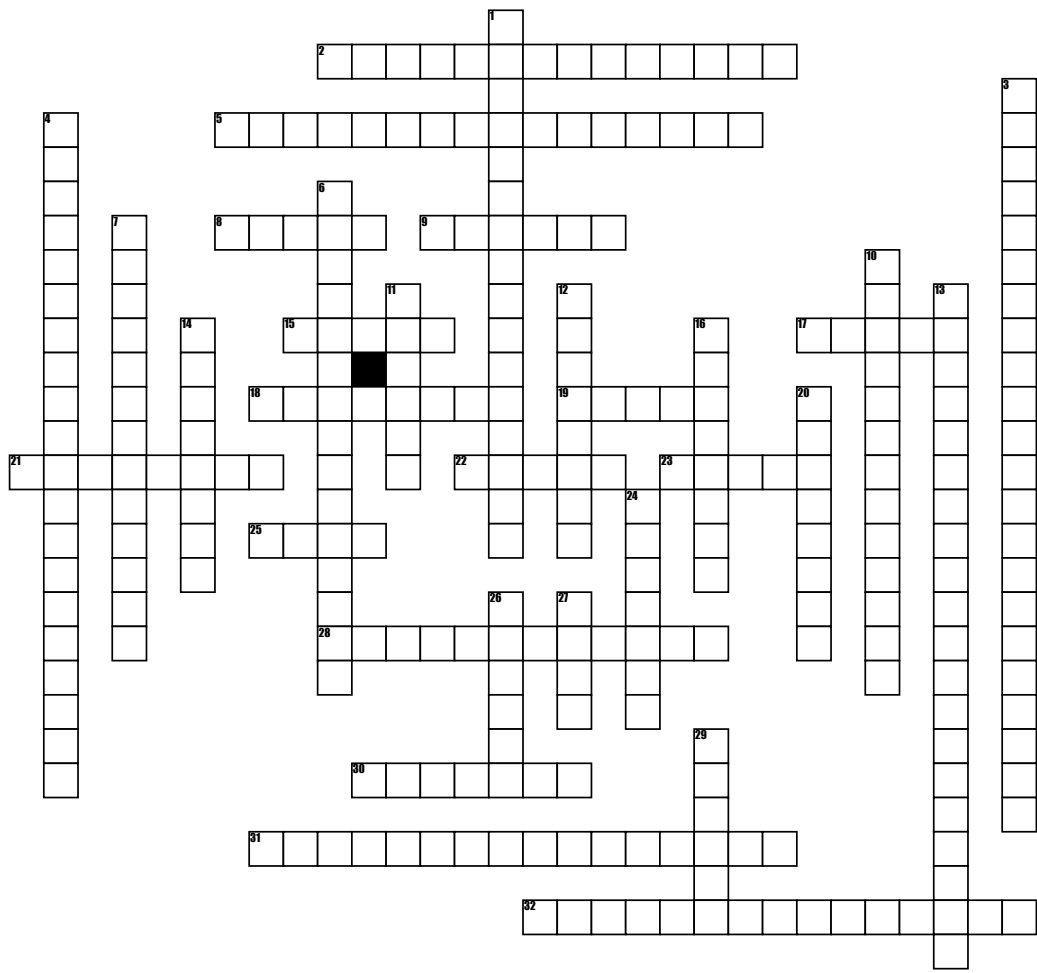


Name: _____

Date: _____

Motion/Force



Across

- 2. A location to which you compare other locations
- 5. A force exerted toward the center of curved path
- 8. is a measure of how fast something moves or the distance it moves, in a given amount of time
- 9. The unit for pressure
- 15. the rate at which you do work
- 17. A push or a pull
- 18. is the location of that place or object
- 19. is the elliptical path one body, such as the Moon, follows around another body, such as Earth, due to the influence of gravity
- 21. A property of a moving object resulting from its mass and velocity
- 22. is a substance that can flow easily.
- 23. is the standard unit used to measure work
- 25. is the use of force to move an object some distance

- 28. The rate at which velocity changes with time.
 - 30. The tendency of an object to resist any change in motion
 - 31. The maximum speed an object will reach as it falls
 - 32. States an objects' acceleration is in the same direction as the net force on the object and is equal to the net force exerted on it divided by its mass
- Down**
- 1. States an objects' acceleration is in the same direction as the net force on the object and is equal to the net force exerted on its divided by its mass
 - 3. If no forces act on a group of objects, their total momentum does not change
 - 4. No matter how energy is transferred or transformed, all of the energy is still present somewhere in one form or another.
 - 6. States that when one object exerts a force on a second object, the second object exerts to force on the first that is equal in strength and opposite in direction
 - 7. is stored energy, or the energy an object has due to its position or its shape.

- 10. A friction-like force that opposes the motion of objects that move through the air.
- 11. is a quantity that has both size and direction.
- 12. is a speed in a specific direction
- 13. says that an increase in the speed of the motion of a fluid decreases the pressure within the fluid.
- 14. The force that opposes the sliding motion of two surfaces that are touching each other
- 16. An object at rest on the surface of the Earth is experiencing zero
- 20. is a measure of how much force is acting on a certain area.
- 24. Is the force that every object in the universe exerts on every other object
- 26. The gravitation force exerted on an object
- 27. The unit of measurement for power
- 29. the change of position over time.

Word Bank

CENTRIPETAL FORCE	POSITION	BERNNOULLIS PRINCIPLE	ACCELERATION	VELOCITY
NEWTONS SECOND LAW	REFERENCE POINT	PASCAL	INERTIA	SPEED
WEIGHT	TERMINAL VELOCITY	VECTOR	NEWTONS FIRST LAW	AIR RESISTANCE
FRICTION	MOMENTUM	CONSERVATION OF ENERGY	KINETIC ENERGY	POWER
MOTION	NEWTONS THIRD LAW	WORK	WATT	CONSERVATION OF MOMENTUM
FLUID	ORBIT	GRAVITY	NET FORCE	PRESSURE
JOULE	FORCE			