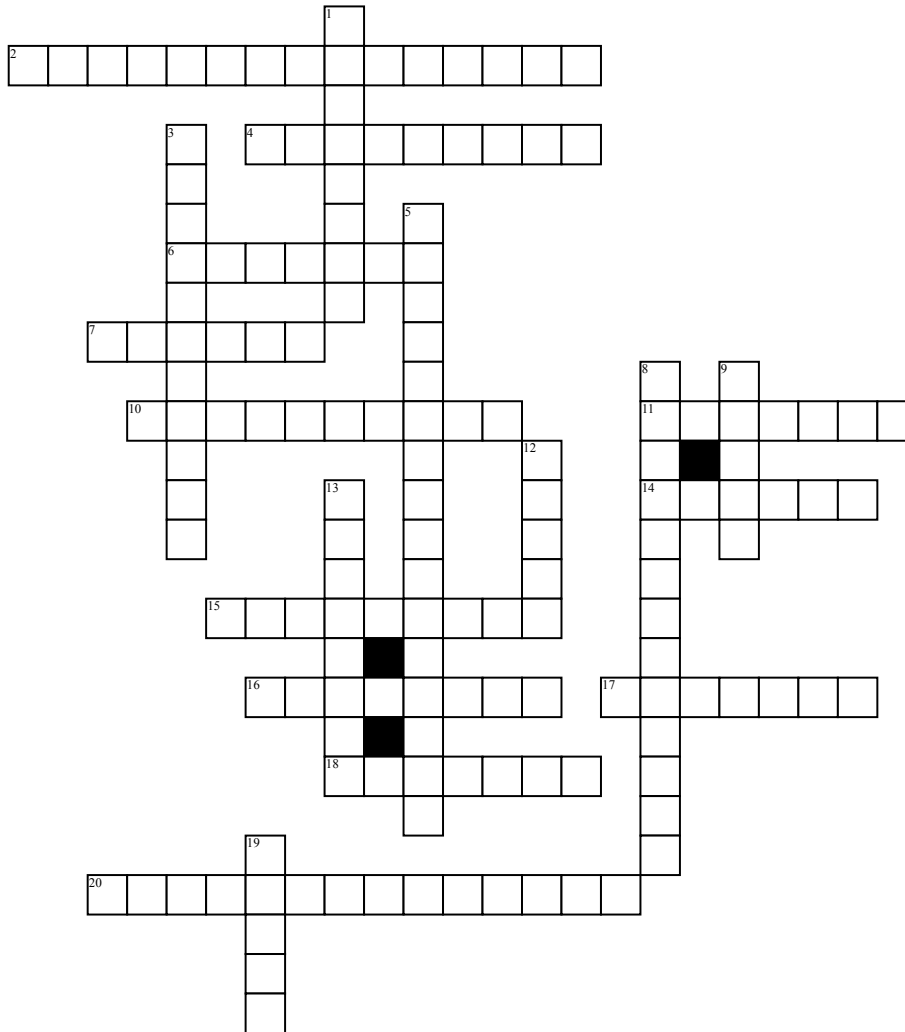


20 word mechanics



Across

2. The linear speed tangent to a curved path
 4. A concentration of mass resulting from a gravitational collapse, to the point gravity is so intense not even light can escape
 6. The product of force acting on an object and the time in which it acts
 7. The force an object exerts on a supporting surface which is often but not always due to the force of gravity
 10. Any object that moves through air or space under the influence of gravity
 11. The product of a force acting on an object and the time during which it acts

14. The property of a system that enables it to do work

15. A projectile or small celestial body that orbits a larger celestial body
 16. The vector sum of forces that act on an object
 17. the property of things to resist change in motion is ?
 18. A device such as a lever or pulley that increases or decreases a force or simply changes the direction of that force
 20. A quantity with both magnitude and direction

Down

1. The curved path followed by a projectile under the influence of gravity only
 3. When a scale is balanced at five pounds the scale is at...
 5. A force directed toward a fixed point usually the cause of circular motion
 8. Energy of motion, quantified by the relationship
 9. How fast something moves
 12. A push or pull is ?
 13. The product of the mass of an object and its velocity
 19. The product of the force and the distance moved by the force

Word Bank

centripetal force	Power	Weight	Impulse	kinetic energy
Parabola	inertia	Tangential speed	force	Vector quantity
Black hole	Momentum	speed	Impulse	Projectile
Satellite	Machine	Net force	energy	equilibrium