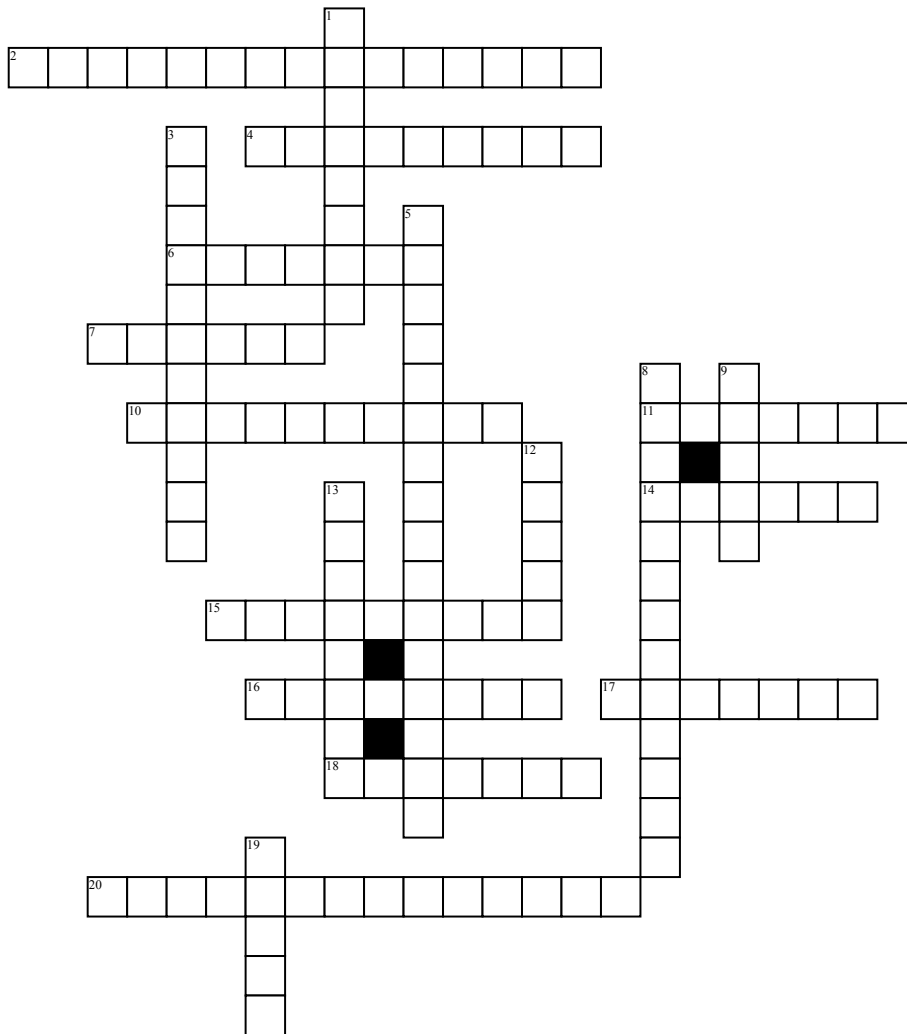


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# 20 word vocab crossword/physics 1st semester



**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**

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