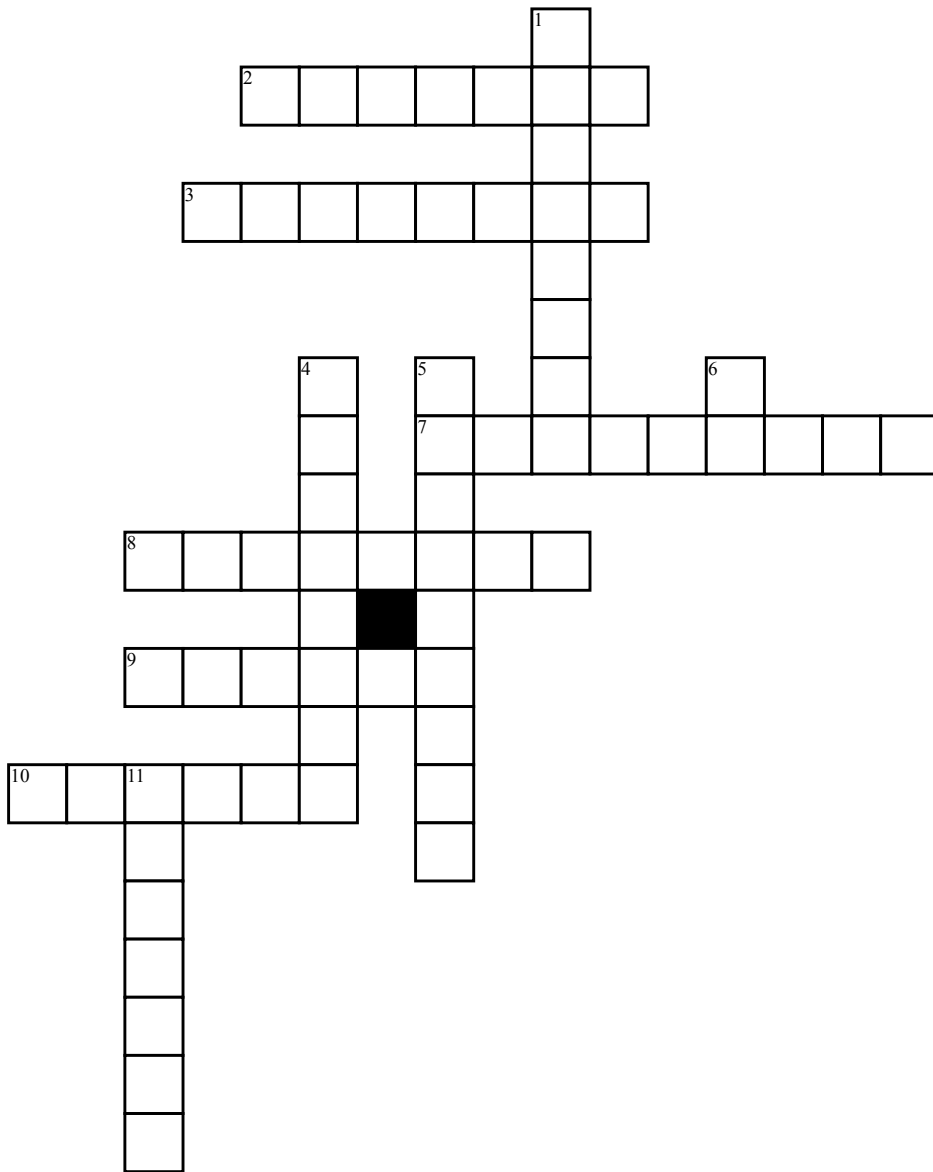


Physics: Forces Vocabulary



Across

- 2. Horizontal force A force that acts in a direction parallel with the
- 3. Sliding kinetic friction force an external force is applied to a sliding object in the direction of motion, the object will accelerate, move at a constant
- 7. Component force force which, acting conjointly with one or more forces, produces the effect of a single force or
- 8. Equilibrium state in which opposing forces or influences are
- 9. Inclined plane a sloping ramp up which heavy loads can be raised by ropes or

- 10. Free body diagram a graphical illustration used to visualize the applied

Down

- 1. Normal force component of the contact force that is perpendicular to the surface that an object
- 4. Gravitational force natural phenomenon by which all things with mass or energy—including planets, stars,
- 5. Non-equilibrium a state of imbalance between opposing forces or
- 6. Spring force force exerted by a compressed or stretched spring upon any object that is attached to
- 11. Static friction force exists between a stationary object and the surface on which it's