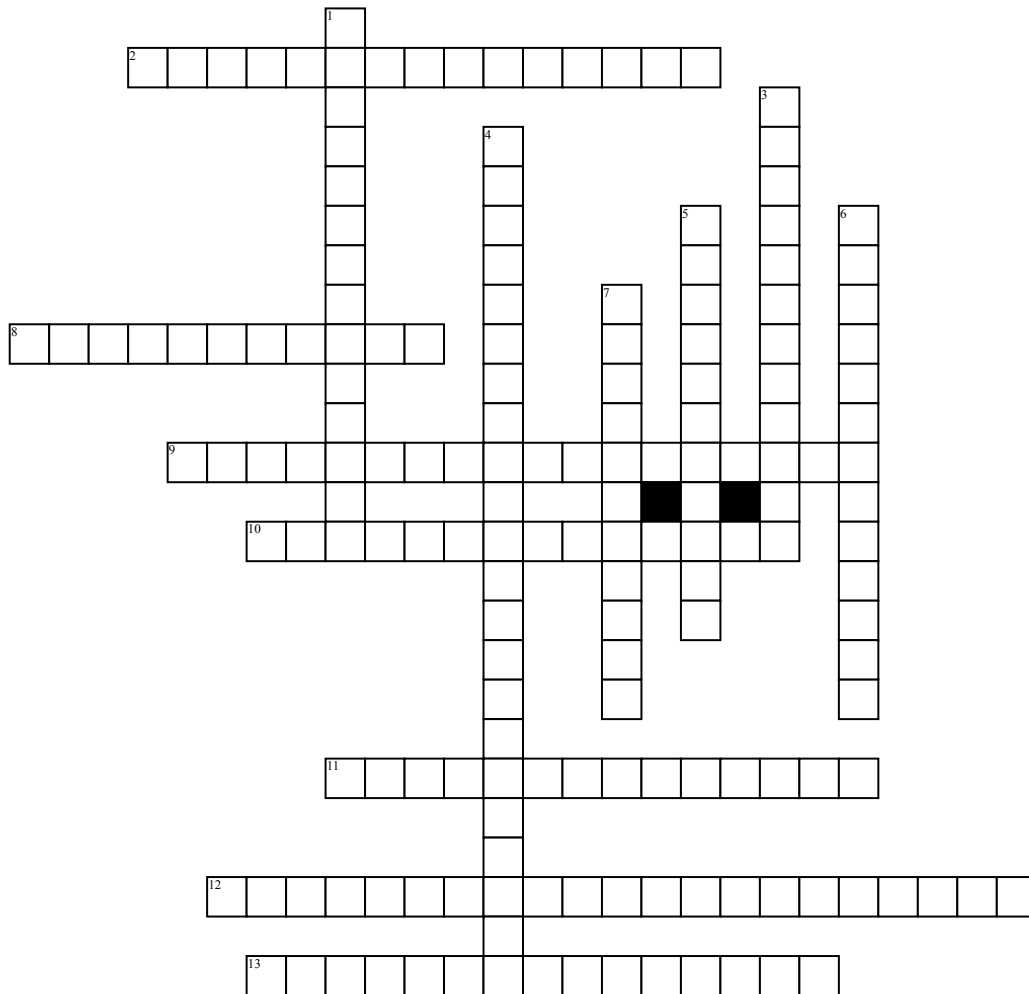


Physics: Forces Vocabulary



Across

2. a graphical illustration used to visualize the applied forces

8. state in which opposing forces or influences are balanced

9. natural phenomenon by which all things with mass or energy—including planets, stars, galaxies

10. force which, acting conjointly with one or more forces, produces the effect of a single force or resultant

11. force exists between a stationary object and the surface on which it's resting

12. ratio between the force necessary to move one surface horizontally over another and the pressure between the two surfaces

13. A force that acts in a direction parallel with the horizon

Down

1. a state of imbalance between opposing forces or processes

3. a force that is applied to an object by a person or another object

4. force an external force is applied to a sliding object in the direction of motion, the object will accelerate, move at a constant velocity

5. force exerted by a compressed or stretched spring upon any object that is attached to it

6. a sloping ramp up which heavy loads can be raised by ropes or chains

7. component of the contact force that is perpendicular to the surface that an object contacts

Word Bank

Horizontal force

Normal force

Equilibrium

Component force

Freebody diagram

Gravitational force

Nonequilibrium

Coefficient of friction

Spring force

Static friction

Applied force

Sliding kinetic friction

Inclined plane