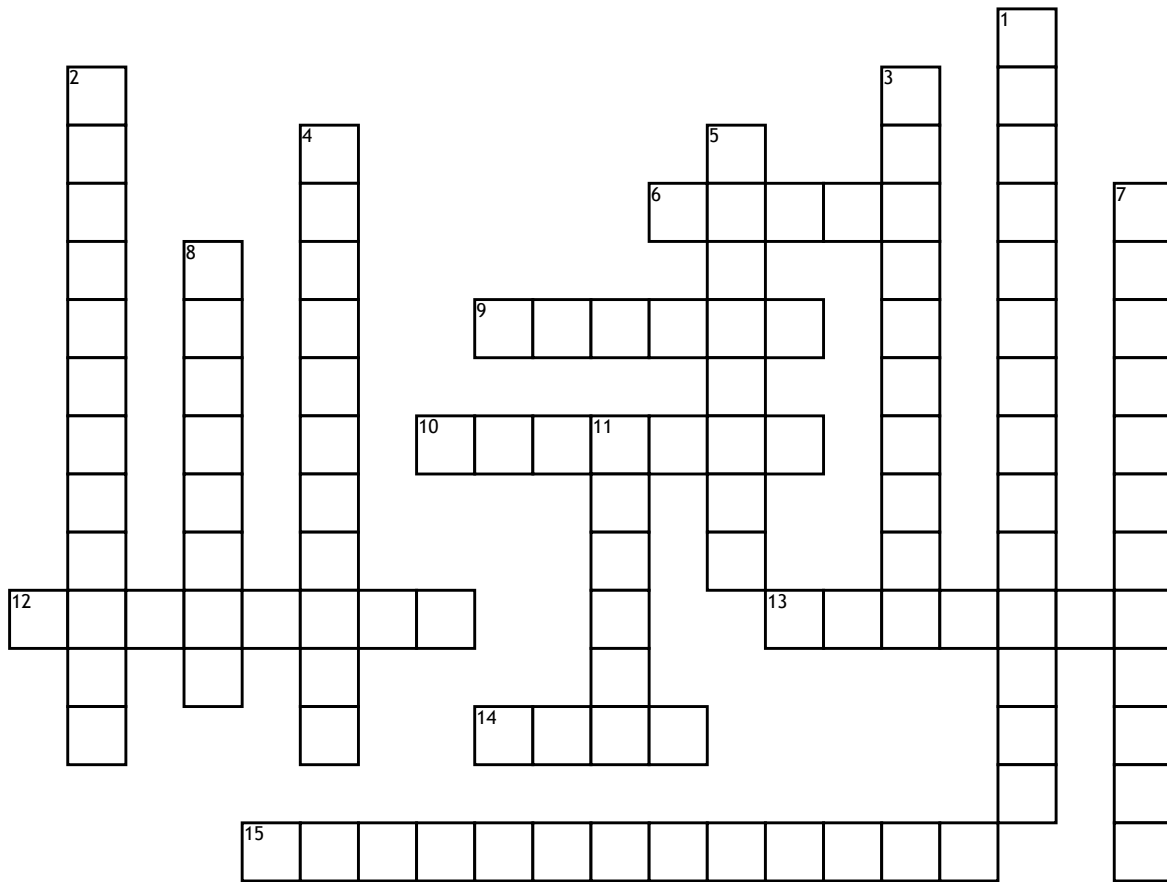


Name: _____

Physics Review



Across

6. push or pull exerted on an object

9. one joule is equal to the energy used to accelerate a body of mass with one kilogram using one newton of force over a distance of one meter

10. all objects on earth's surface accelerate down at 9.8 m/s^2

12. speed of something in a specific direction

13. a property of matter by which it continues in its existing state of rest or uniform motion in a straight line, unless that state is changed by an external force

14. something done to the system by the external world

15. energy that an object possesses by being in motion

Down

1. the friction that exists between a stationary object and the surface on which it's resting.

2. is a vector quantity that refers to "how far out of place an object is"; it is the object's overall change in position.

3. force exerted without contact

4. net force on an object is zero and no net acceleration

5. the quantity of motion of a moving body, measured as a product of its mass and velocity power- rate of doing work

7. rate at which an object changes velocity

8. force resisting the relative motion of solid surfaces

11. has direction as well as magnitude