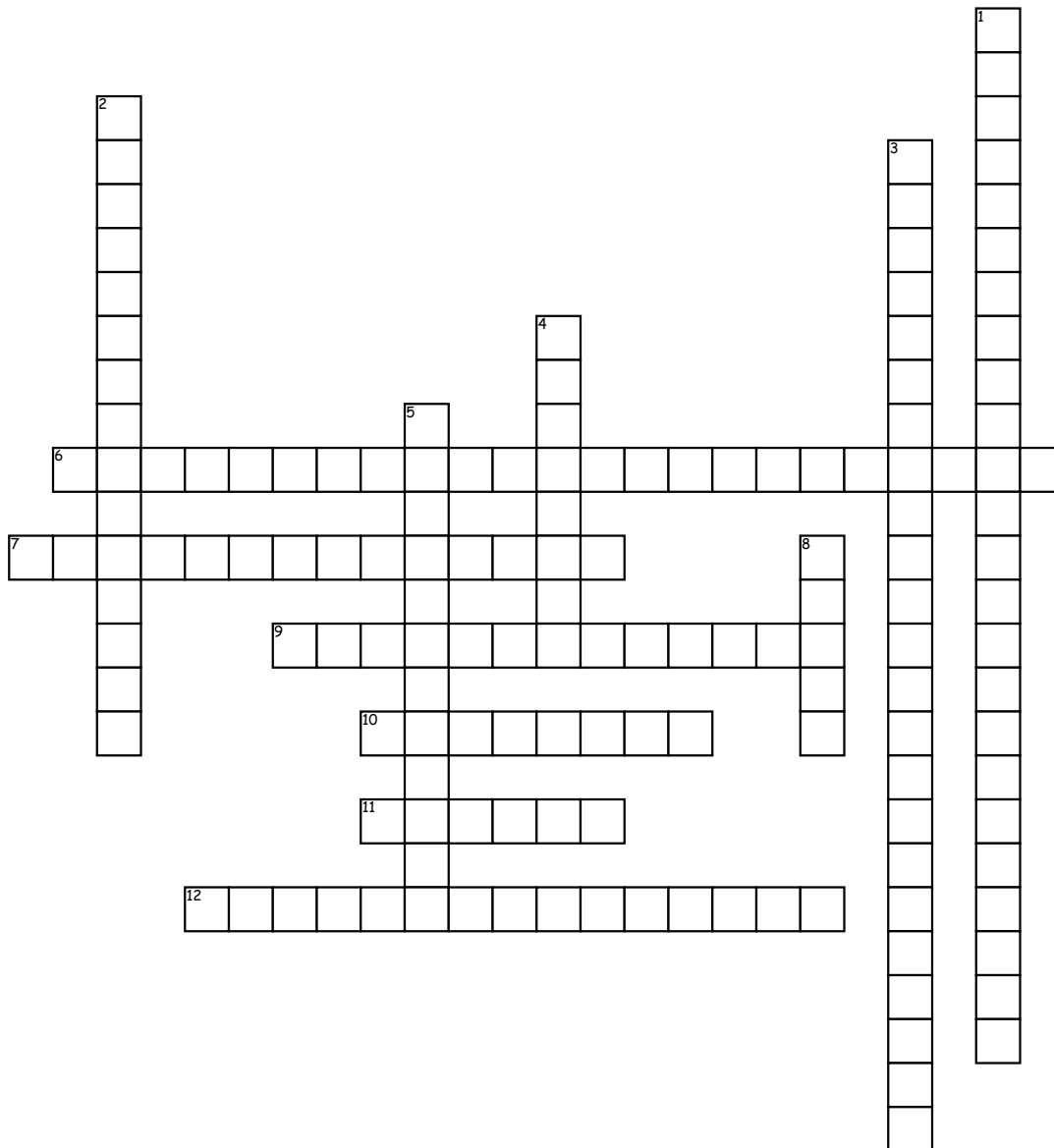


physical science



Across

6. that an object at rest will stay at rest and an object in motion will stay in motion with the same speed and direction unless acted upon by unbalanced force.

7. a basis or standard for evaluation, assessment, or comparison; a criterion

9. two forces acting in opposite directions on an object,

10. the speed of something in a given direction.

11. a quantity having direction as well as magnitude, especially as determining the position of one point in space relative to another

12. the energy possessed by a body by virtue of its position relative to others, stresses within itself, electric charge, and other factors.

Down

1. acceleration of an object is dependent upon two variables - the net force acting upon the object and the mass of the object.

2. forces that cause a change in the motion of an object

3. for every action there is an equal and opposite reaction

4. an amount of space between two things or people.

5. the moving of something from its place or position.

8. the rate at which someone or something is able to move or operate.