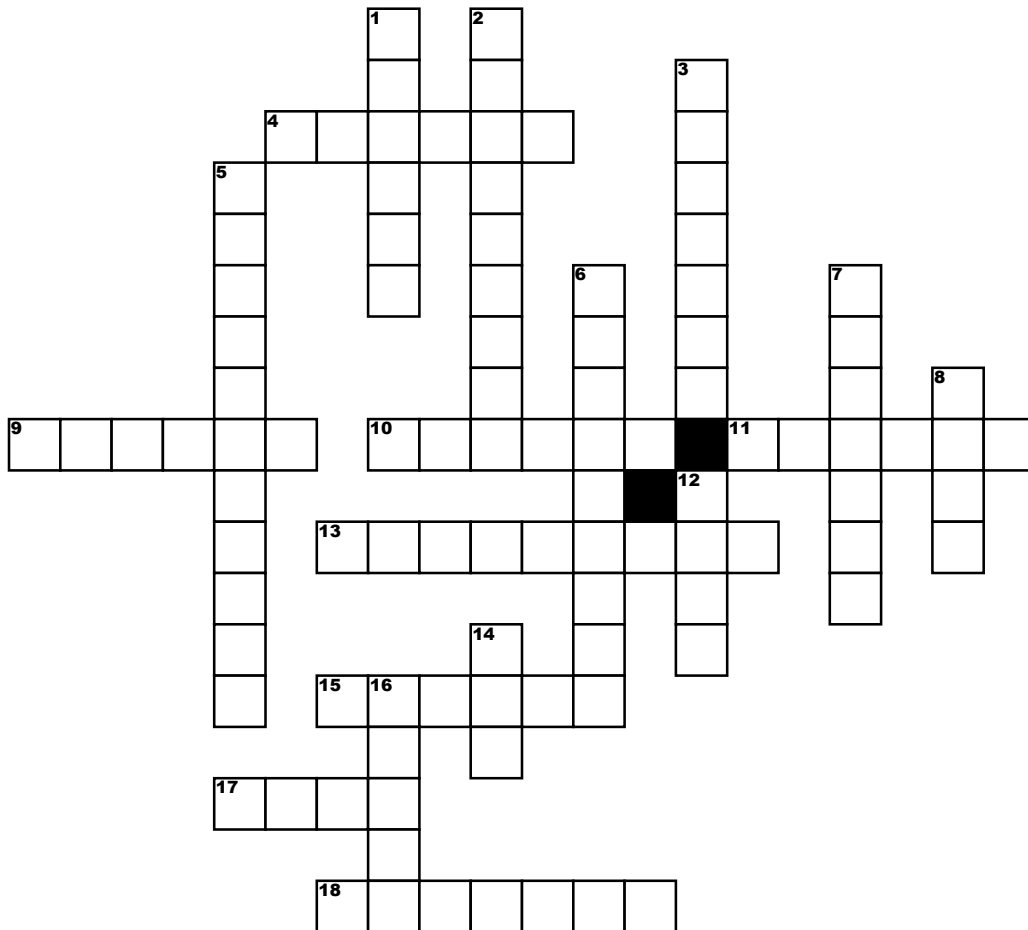


Force And Motion Puzzle



Across

4. This type of force will not cause a non-moving object to start moving and will not cause a change in the motion of a moving

9. This type of force will not cause a non-moving object to start moving and will not cause a change in the motion of a moving

10. Gravity is a force of _____ between objects due to their

11. A property of matter equal to the measure of an object's resistance to changes in either the speed or direction of its

13. A measure of speed in a given

15. This type of forces produces a change in

17. The alternate force of

18. The force with which a body is attracted to Earth or another celestial body, equal to the product of the object's mass and the acceleration of

Down

1. How fast an object is going with respect for an

2. Gravitational force decreases as

3. A force that opposes motion

5. A vector quantity that tends to produce an acceleration of a body in the direction of its

6. The force of moving something in a certain

7. This type of friction is when one surface rolls past

8. The natural force of attraction exerted by a celestial body, such as Earth, upon objects at or near its surface, tending to draw them toward the center of the

12. A type of friction that occurs when a force is applied and does not cause an object to

14. The force that opposes the motion of objects through

16. When 2 solid surfaces slide past each

Word Bank

- | | | | | |
|---------|--------------|------------|------------|---------|
| between | another. | gravity. | air. | motion. |
| object. | direction | object. | masses. | other. |
| push. | object. | direction. | increases. | motion. |
| move. | application. | body. | | |