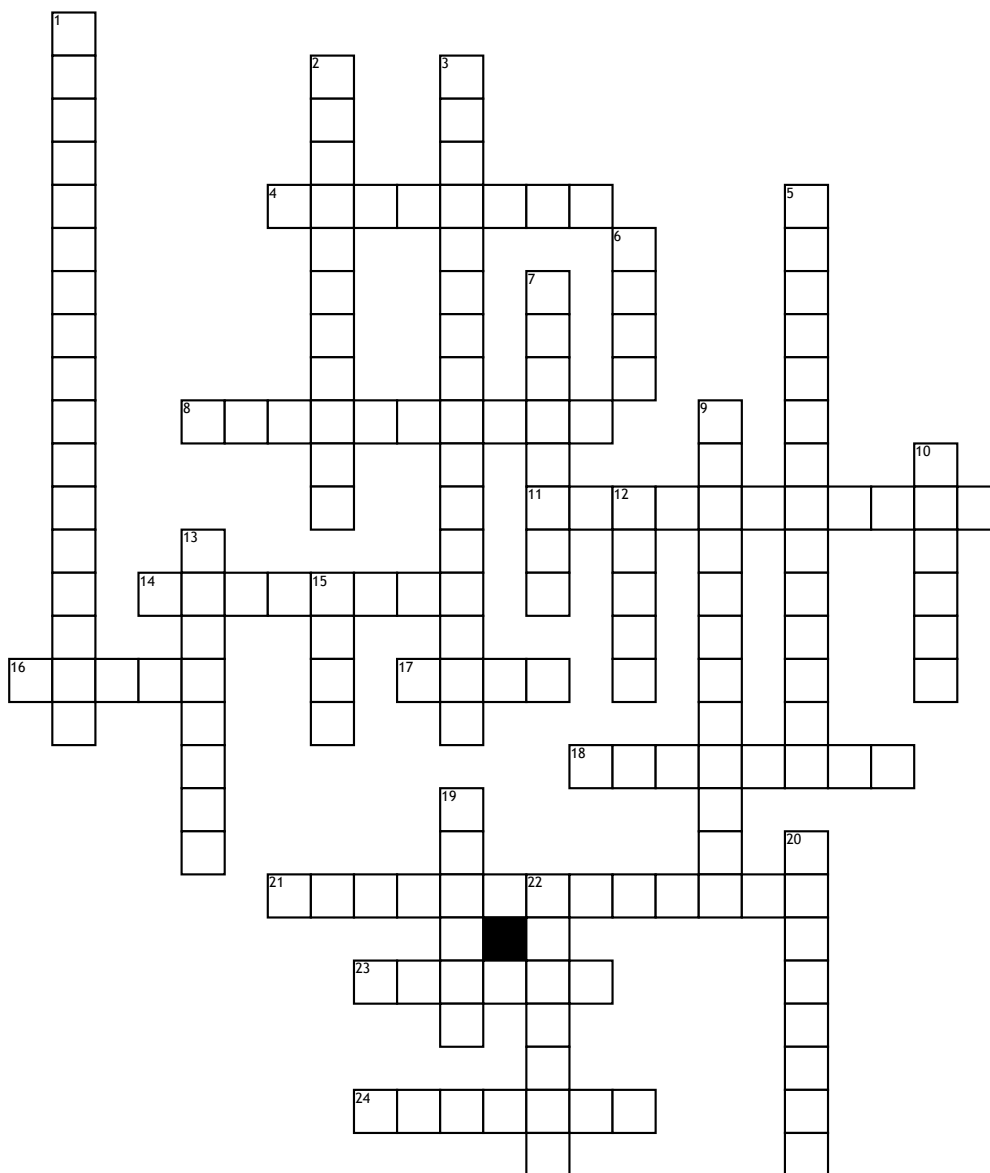


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# Force, Motion crossword puzzle



## Across

4. A place where an object has been placed or put.

8. A measure of how well or how productively resources are used to achieve a goal

11. English math mathematician physicist, astronomer, theologian. Widely recognized as one of the most influential scientists.

14. An act of changing physical location or position of having this change.

16. Push or pull of an object.

17. A result of a force moving an object a certain distance force x Distance.

18. An amount of space between two things or people.

21. Fluid friction acting on an object moving through the air

23. An object with powerful attraction.

24. A force attracted to another object due to their mass.

## Down

1. Force = mass x acceleration  $F=ma$ , what was Newton's 2nd law of force and motion called

2. Objects in motion stay in motion objects at rest stay at rest.

3. (Rate) (time)  $d=rt$  of speed x time of travel.

5. What was Newton's third law of force and motion

6. A generalized rule to explain a body of observations in the form of a verbal or mathematical statement

7. A force that resists motion.

9. Change in velocity an increase or decrease in speed

10. An object's change in position related to a reference point process or continual change.

12. Distance traveled per unit time.

13. The quality of motion of a moving body measured as a product of mass and velocity.

15. Large body of matter in an object.

19. The ability to do work used to move muscles, machines and heat room.

20. Speed in a given direction can be measured in miles per hour.

22. Newton's first law of motion.