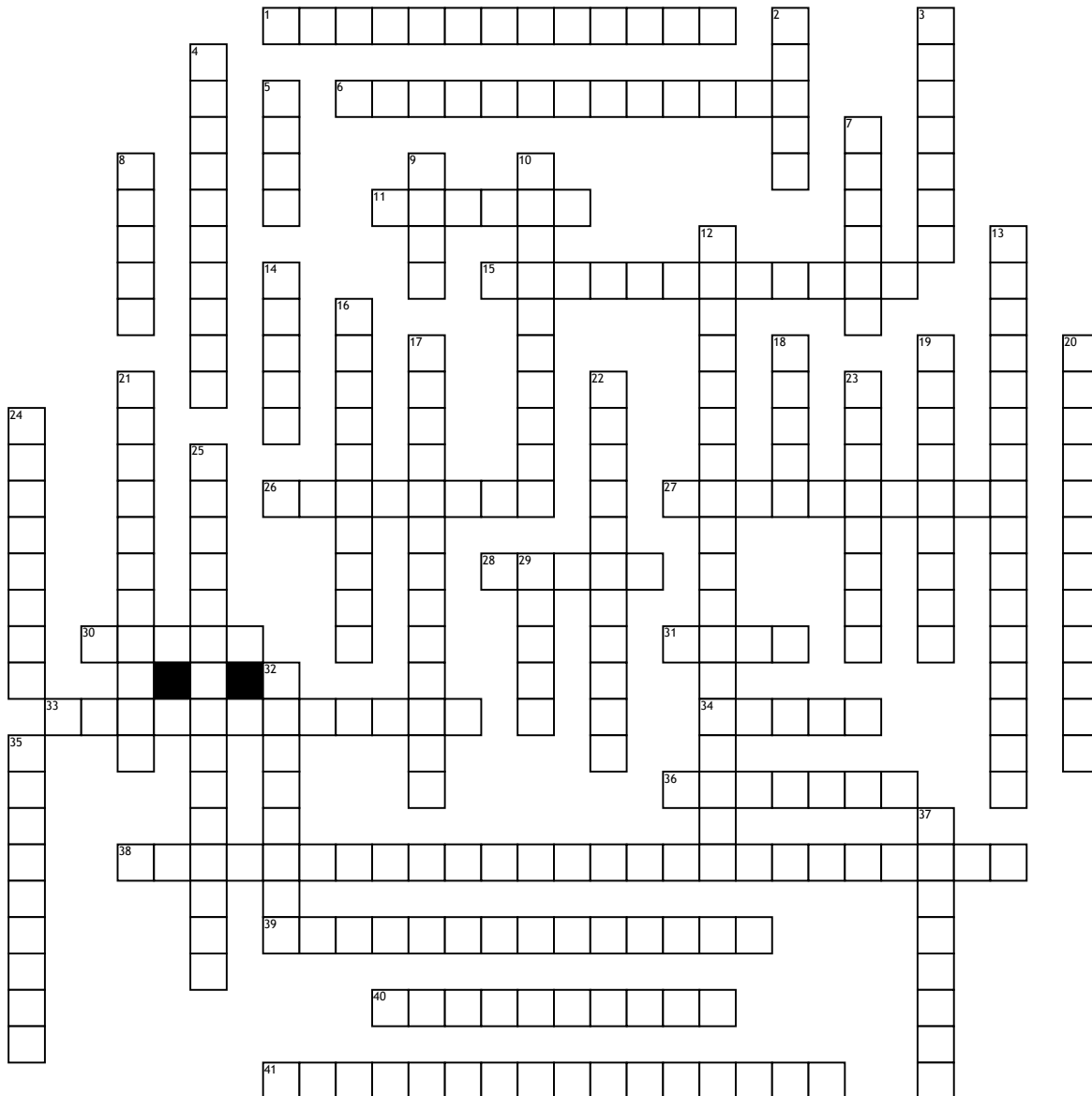


Name: _____

Date: _____

gravity unit vocabulary



Across

1. energy of motion
6. the force exerted by air molecules on objects moving through air
11. a unit that describes measurement of force
15. the change of velocity per unit of time
26. the location of an object
27. to pull toward each other
28. an interaction between objects. A push or pull
30. (Δ) a symbol that indicates change
31. a measure of the quantity of matter in an object
33. a given distance in a given period of time
34. a space, or zone, around a mass
36. a force of attraction between masses
38. theory to explain the relationship between space and time
39. the minimum speed required to leave an orbit
40. speed when an object moves faster than the speed of sound

41. the maximum speed an object can obtain during free fall

Down

2. the distance traveled by an object in a unit of time
3. force applied over a period of time
4. a restriction or limitation
5. a unit of mass
7. the process of changing position
8. in math or physics, the steepness of a line on a graph
9. not moving
10. the most common form of brain injury
12. the force of attraction between objects with mass
13. when an object moves from an initial position to a new position
14. a unit of kinetic energy
16. the distance light can travel in a given time frame
17. speed that does not vary over time

18. to reach a conclusion based on evidence
19. when one object hits another object
20. designed to absorb energy during a collision and protect passengers crumplezone^ a negative change of velocity per unit of time
21. a device that measures speed
22. a measurement of each face of an object's exterior dimensions
23. a force acting between surfaces in contact
24. an amount, such as the time or distance between two markers
25. energy stored in the position or condition of an object
29. the curved path of an object around another object
32. the sum of all the forces acting on a mass
35. a standard for evaluating or testing something
37. how far between two objects or locations