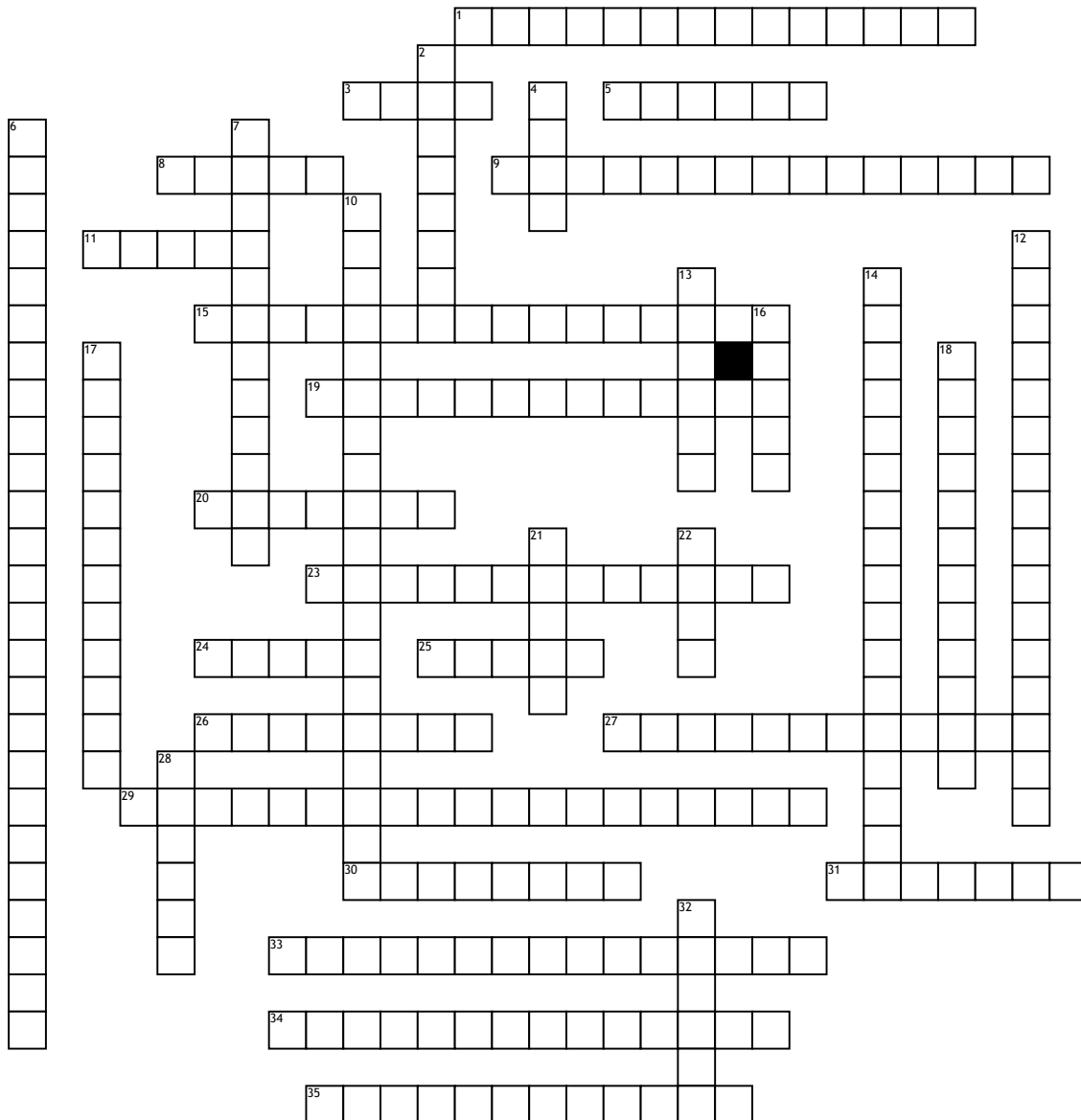


physical Science



Across

1. machines that make your work easier
3. the product of force and distance when an object is moved
5. a wheel with a grooved rim which a cord passes through
8. unit for work
9. friction between moving objects
11. push or pull exerted on an object
15. a device containing 2 or more simple machines
19. equal but opposite forces
20. found on earth but not in space
23. a sloping ramp up which heavy loads can be raised
24. put between two objects to secure them
25. used to join things together by being rotated

26. an object's speed in a certain direction
27. a rate of change of velocity
29. force exerted on a machine by the machine
30. sum of forces acting on an object equal but opposite
31. an object to resist a change in motion
33. force that causes an object to start moving
34. friction that acts on an object at rest
35. distance and direction of an object in position the starting point

Down

2. the resistance that one surface or object encounters when moving another
4. standard measurement
6. energy can not be created or destroyed
7. a complicated and time consuming design to do one simple thing

10. for every action there is an equal reaction
12. relation with measurements and judgements are made
13. the ability to do work
14. how fast an object accelerates or decelerates depends on the force
16. how fast an object is moving
17. a circular object that are fastened together and rotate around a common axis
18. an object at rest stays at rest an object in motion stays in motion
21. a rigid object that pivots about a fixed point
22. amount of matter in an object
28. measurement of gravity's pull on an object
32. one object's distance from another is changing