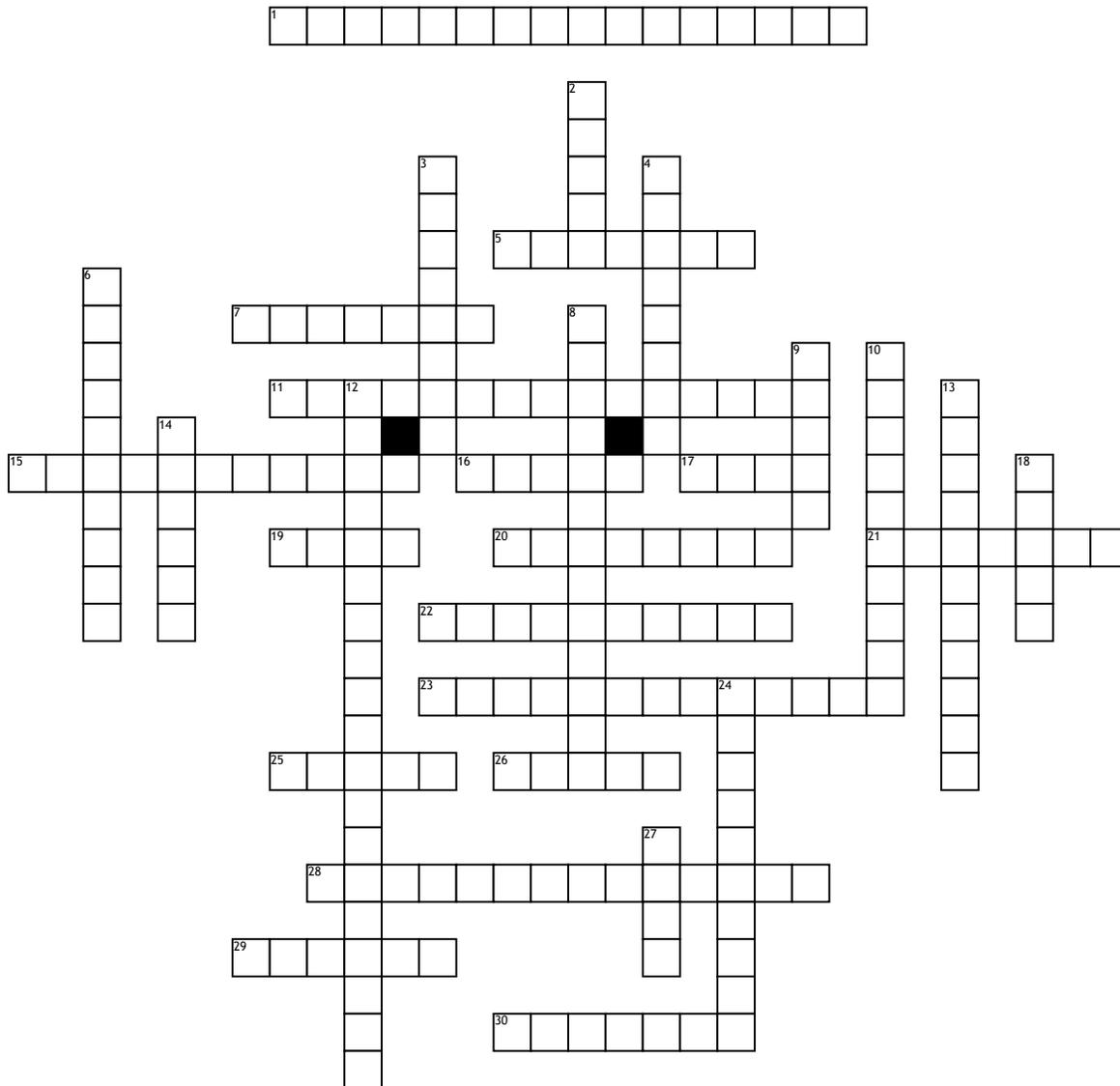


# Work and Machines



## Across

1. When an object starts to move it is due to \_\_\_\_\_, or how the forces are no longer balanced
5. an object's natural tendency to keep moving
7. is the universal force that attracts objects to each other
11. Two or more simple machines combined
15. The outcome of effort in work
16. A unit of measurement for energy (kinetic/potential)
17. Wheel+\_\_\_\_\_ helps an object roll
19. Output force, what you are lifting
20. mass x velocity
21. the pivot of a lever

22. how much work something can get done in comparison to other machines/tools/people

23. Ramp, used to decrease force by increasing distance

25. wheels with teeth

26. \_\_\_\_\_+axle is used on multiple types of vehicles

28. When forces on an object are the same or equal so the object remains still and unmoving

29. a unit of measurement, used to measure force

30. A tool or combination of different tools that make the effort in work decrease

## Down

2. Sharpened edge to cut or separate

3. force that opposes the motion of two subjects

4. the sum of all the forces acting on an object

6. The load/output force

8. a machine that can make work easier by increasing the distance and decreasing the amount of force used.

9. a type of simple machine with three different classes

10. the force put into a work (opposite of output)

12. used to measure the efficiency/effectiveness of a machine

13. Balance when the net forces are zero

14. Wheels with a rope, less force due to more distance

18. Wedge and an inclined plane combined

24. an object when thrown

27. Force x distance