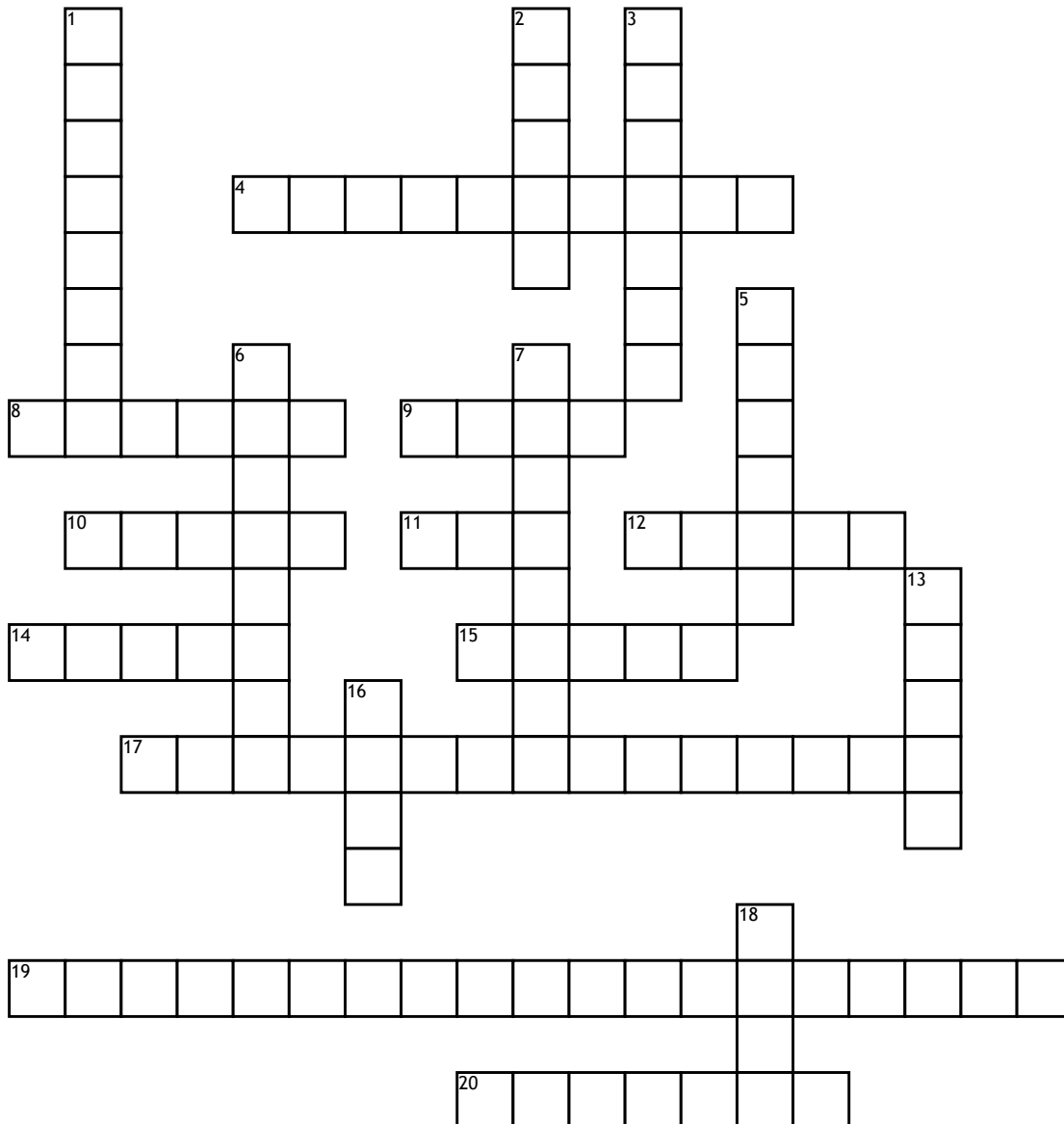


# Work, Force, and Machines



**Across**

- 4. forces that cause changes in motion
- 8. the SI unit of force
- 9. a type of lever that looks like a wheel and teeth
- 10. a circular object that revolves on an axle
- 11. output force divided by input force
- 12. The SI unit of work
- 14. the work done on the machine

- 15. a simple machine that is an inclined plane wrapped around a cylinder
- 17. two or more simple machines that act together
- 19. tells how many times a machine multiplies a force
- 20. a force that acts on all objects

**Down**

- 1. the sum of all the forces acting on an object
- 2. Machines with no friction

- 3. the point on which a lever pivots
- 5. the work done by the machine
- 6. product of mass and velocity
- 7. two forces of the same size acting in opposite direction
- 13. the rate of doing work
- 16. Occurs when a force makes something move
- 18. the SI unit of power