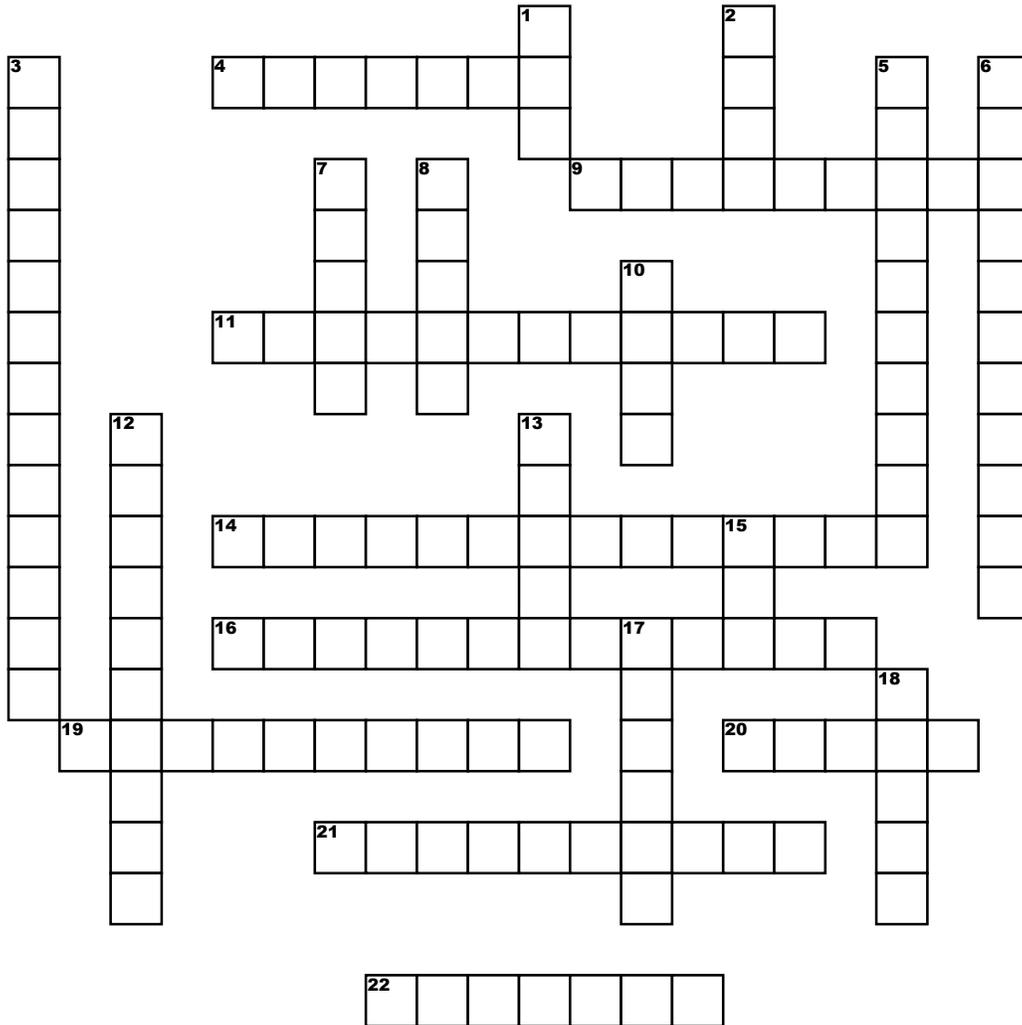


Work and Power



Across

- 4. The fixed point the bar rotates around
- 9. Work done by the input force through the input distance
- 11. Consists of two disks each with a different radius
- 14. Distance the output force exerted through
- 16. Slanted surface that moves an object to a different elevation
- 19. The output force times the output distance
- 20. Rate of doing work

- 21. The percentage of the work input that become the work output
- 22. Device that changes the force

Down

- 1. The mechanical advantage in the absence of friction
- 2. Product of force through a distance
- 3. Distance that the input force acts
- 5. Force that you put on a machine
- 6. Force exerted by a machine

- 7. Inclined plane wrapped around a cylinder
- 8. Force of 1 N through a distance 1 m
- 10. Equal to 1 J per second
- 12. Equals 746 Watts
- 13. V shaped object made of 2 inclined planes
- 15. The number of times the machine increases the input force
- 17. Consists of a rope that fits into a groove of a wheel
- 18. Ridgin bar to move around a fixed point

Word Bank

- | | | | | |
|----------------|-----------------|----------------|------------|-------------|
| AMA | Input force | work | Horsepower | Work output |
| Watt | wedge | Work Input | joule | efficiency |
| inclined plane | output distance | Wheel and axle | screw | lever |
| Input Distance | IMA | fulcrum | Power | Machine |
| pulley | Output force | | | |