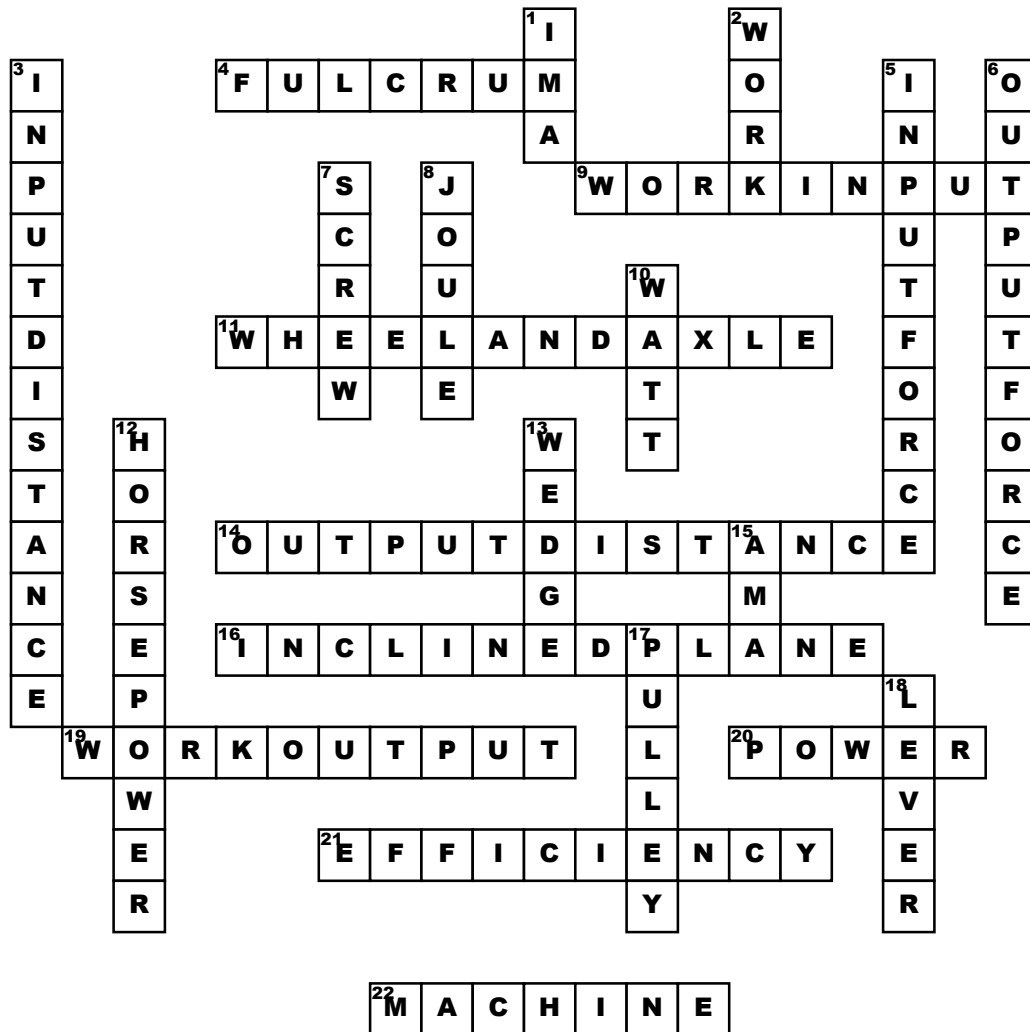


Name: _____

Date: _____

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

Input force

Watt

Output force

output distance

pulley

work

Horsepower

Power

lever

AMA

efficiency

IMA

Work output

Wheel and axle

Work Input

inclined plane

Input Distance

joule

wedge

fulcrum

Machine

screw