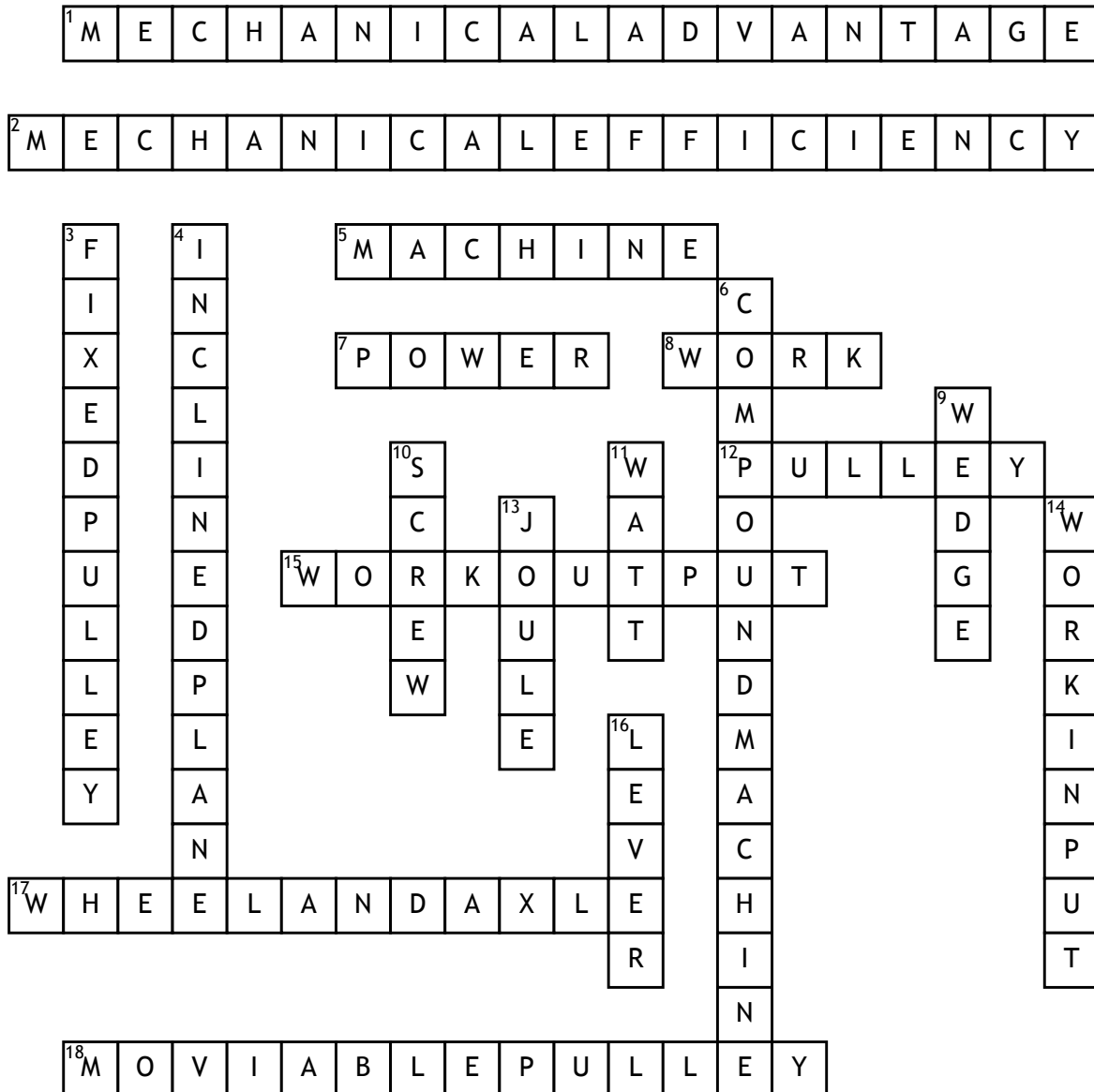


Name: _____

Date: _____

Simple Machines Cross Word Puzzle



Across

1. A number that tells how many times a machine multiplies force
2. A quantity, usually expressed as a percentage, that measures the ratio of work output to the work input; It can be calculated by dividing work output by work input
5. A device that helps do work by either overcoming a force or changing the direction of the applied force
7. The rate at which work is done or energy is transformed
8. The transfer of energy to an object by using a force that causes the object to move in the direction of the force
12. A simple machine that consists of a wheel over which a rope, chain, or wire passes

15. The work done by a machine; The product of which the force and the distance through which the force is exerted

17. A simple machine consisting of two circular objects of different sizes; The wheel is the larger of the two circular objects

18. One type of pulley that moves up with the load as the load is lifted is called

Down

3. A pulley that only spins is called

4. A simple machine that is a straight, slanted surface, which facilitates the raising of loads; a ramp

6. A machine made of more than one simple machine

9. A simple machine that is made up of two inclined planes and that moves; Often times used for cutting

10. A simple machine that consists of an inclined plane wrapped around a cylinder

11. The unit used to express power; equivalent to Joules per second

13. The unit used to express energy

14. The work done on a machine; The product of the input force and the distance through which the force is exerted

16. A simple machine that consists of a bar that pivots at a fixed point called a fulcrum