Name: _____ Date: _____ Period: _____

work,power and simple machines

1. any of the basic mechanical devices for applying a force, such as an inclined plane, wedge, or lever.

2. a wheel with a grooved rim around which a cord passes. It acts to change the direction of a force applied to the cord and is chiefly used (typically in combination) to raise heavy weights

3. a simple lifting machine consisting of a rope that unwinds from a wheel onto a cylindrical drum or shaft joined to the wheel to provide mechanical advantage.

4. a rigid bar resting on a pivot, used to help move a heavy or firmly fixed load with one end when pressure is applied to the other.

5. a plane inclined at an angle to the horizontal.

6. NOUN a short, slender, sharp-pointed metal pin with a raised helical thread running around it and a slotted head, used to join things together by being rotated so that it pierces wood or other material and is held tightly in place.

7. a machine composed of two or more simple machines. Common examples are bicycles, can openers and wheelbarrows. Simple machines change the magnitude or direction of a force without any motor.

8. the ratio of the force produced by a machine to the force applied to it, used in assessing the performance of a machine.

9. activity involving mental or physical effort done in order to achieve a purpose

10. the force multiplication of a simple machine in the hypothetical absence of friction and deformation. The formulae for ideal mechanical advantage assume perfect component rigidity and hardness and an absence of friction.

11. the kind of input that is put to a given a given machine or a system. This is done so that desirable results are achieved at the output.

12. the force that is exerted from the input force to create motion of the resisting object

A. work output

B. work inpout

C. comppund machines

D. wheel and axle

E. output force

F. work

G. screw

H. input force

I. inclined plane

J. mechnical advantrage

K. simple machines

L. lever

13. the kind of input that is put to a given a given machine or a system

M. ideal mechanical aadvantage

14. the work done by a simple machine, compound machine, or any type of engine model.

N. pulley