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# **Work Power And Simple Machines Test Answers**

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Work Power And Simple  
Machines But rather we have these  
machines which are simple and part  
of our everyday living. There are six  
types of simple machines: inclined  
plane, wedge, screw, lever, pulley  
and wheel and axle. Incline Plane.  
An inclined plane is simply a flat  
slanted surface used to raise an  
object. It is a simple machine with  
no moving parts but it multiplies  
force. How? Work, Power And  
Simple Machines | ImbaLife Work  
happens when transforming energy  
into another form. Gravity does  
work to convert potential energy to  
kinetic while a ball falls. When you  
lift a ball up, you are do work  
transforming and storing potential  
energy back in the ball. The MKS

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units for different forms of energy including transforming one to another, or work, is the Joule (J). Work and Power - StickMan Physics Work, Power and Simple Machines 1st class Mechanical Advantage = resistance / effort  $F / F = 2/2 = 1$  2 N 2 N 2nd class Mechanical Advantage = resistance / effort  $F / F \dots$  - A free PowerPoint PPT presentation (displayed as a Flash slide show) on PowerShow.com - id: 635187-NmRhY PPT - Work, Power and Simple Machines PowerPoint ... Work, Power, and Simple Machines 1. Redirect Force (Change direction force is applied.) 2. Reduce the Effort Force, Distance the load moves will increase. 3. Multiplies the Effort Force, Distance the load moves will decrease. Work,

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### Power, and Simple Machines

#### Flashcards | Quizlet Calculating

Power • Power is work divided by time •  $P = W/t$  • SI units for power is watts (W) • 1 watt is the power to do 1 J of work in 1 s •

Watt= Joule second A student lifts a 12 N textbook 1.5 m off the floor in 1.5 s. How much work did he do?

How much power did he use?  $P = W/t$

Work, Power and Machines  $P = W/t$

Joules/second 1 watt = 1 J/s

watts Used to measure power of

light bulbs and small appliances An

electric bill is measured in kW/hrs. 1

kilowatt = 1000 W Horsepower (hp)

= 745.5 watts Traditionally

associated with engines.

(car, motorcycle, lawn-mower) The

term horsepower was developed to

quantify power. PowerPoint

Presentation - Work, Power, &

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Simple Machines The scientific formula for work is  $w = f \times d$ , or, work is equal to force multiplied by distance. Simple machines cannot change the amount of work done, but they can reduce the effort force that is required to do the work! For the inclined plane and lever, less effort (effort force) is needed to do the same work because the distance is increased. Work, energy, and simple machines - Smore input force and work vs output work and force.  $F_{in} W_{in} = F_{out} W_{out}$ . mechanical advantage. the ratio of the output force to the input force.  $MA = \text{output force}/\text{input force}$ . simple machine. a machine that does work with only one movement of the machine. fulcrum. fixed point on a lever. Work, Power, and Simple Machines Flashcards | Quizlet A

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simple machine made with a rigid bar free to pivot (move) around a fixed point called a fulcrum.

Fulcrum. Support on which a lever rests or pivots. Pulley. A simple

machine consisting of a wheel with a groove in which a rope can run to change the direction or point of application of a force applied to the rope.

Work, Power, and Simple Machines Flashcards | Quizlet 2 requirements for work to exist:

1000 watts; Simple machines make work ... Simple Machine that is a

Movable Inclined Plane; Simple Machine that rotates a lever 360 degrees around an axle; faucet knob; used to raise the flag;

stairs Work, Power and Simple

Machines Flashcards | Quizlet Work, Power, and Simple Machines No

teams 1 team 2 teams 3 teams 4

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Terms in this set (39) Work is. force  
acting through a distance. For work  
to be done. there must be  
movement in the same direction as  
the force. Work formula.  $W = F \times D$ .  
D. Work, Power, and Simple  
Machines Test Study Guide ... Play  
this game to review Science. What  
is the unit used to measure  
Power? Work, Power, and Simple  
Machines | Science Quiz -  
Quizizz We use simple machines

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because they make work easier.

The scientific definition of work is the amount of force that is applied to an object multiplied by the distance the object is moved. Thus, work consists of force and distance. Each job takes a specific amount of work to finish it, and this number does not change. Engineering:

Simple Machines - Lesson -

TeachEngineering Work, power, and simple machines. Standards. SPS8.

Obtain, evaluate, and communicate information to explain the

relationships among force, mass, and motion. d. Use mathematics

and computational thinking to identify the relationships between

work, mechanical advantage, and simple machines. Work, Power, and

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PHYSICAL ... Work - Chapter 5 Work



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and Machines Simple machines A  
simple machine is a machine that  
does work with only one movement  
of the machine. PPT – Work, Power  
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... Play this game to review Physics.  
What is the unit of work? Work,  
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