



21. Select all that are true

- 2 is a fixed pulley
- 4 has the greatest mechanical advantage
- 1 is a moveable pulley
- 3 is a Block and Tackle

22. Steve lifted a book off the floor and set it on a bookshelf . Which type of energy is transferred to the book?

- kinetic energy
- potential energy
- kinetic and potential energy
- No energy is transferred.

Modified True/False

Decide if each statement is True or False, if it is false drag and drop the word that makes the statement true.

False word Bank(you don't use all the words):

no work	force	input	2	your work	input work	regular
simple	divided by	1 joules	0 joules	25 joules	size	

23. You do work on an object when you lift it from the floor to a shelf.

24. Holding a 25-N bag of sugar 1 meter above the floor requires 25 joules of work.

25. The force exerted by a machine is called the output force.

26. The mechanical advantage of a machine that changes only the direction of a force is 1.

27. Efficiency compares the output work to the output force.

28. A wheel and axle is a compound machine.

29. A second-class lever always multiplies distance.

30. The ideal mechanical advantage of a wheel and axle is the radius of the wheel times the radius of the axle.
