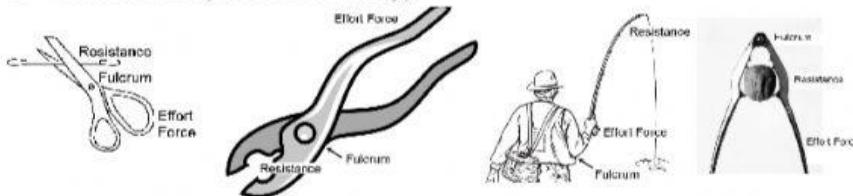


_____ 21. Steve lifted a book off the floor and set it on a bookshelf . Which type of energy is transferred to the book?

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



_____ 22. Which of these is an example of a third-class lever?

- fishing pole
- scissors
- pliers
- nutcracker

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. A wheel and axle is a compound machine. _____

_____ 24. You do work on an object when you lift it from the floor to a shelf. _____

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

_____ 26. The ideal mechanical advantage of a wheel and axle is the radius of the wheel times the radius of the axle. _____

_____ 27. The mechanical advantage of a machine that changes only the direction of a force is 1. _____

_____ 28. A second-class lever always multiplies distance. _____

_____ 29. Efficiency compares the output work to the output force. _____

_____ 30. Holding a 25-N bag of sugar 1 meter above the floor requires 25 joules of work. _____