

400 Vocab

Select the correct term to complete the sentences.

mechanical advantage	input arm	output
machine	horsepower	power
irreversible	input	simple machines
watt	work	efficiency
tension	fulcrum	

Section 4.1

1. A unit of power equal to 746 watts is called one _____.
2. _____ is the rate of doing work.
3. Force multiplied by distance is equal to _____.
4. The measurement unit of power equal to one joule of work performed in 1 second is called the _____.

Section 4.2

5. The ramp, the lever, and the wheel and axle are examples of _____.
6. Pushing on the pedals of a bicycle is an example of the _____ to a machine.
7. Moving a heavy load is an example of the _____ from a lever.
8. To calculate a machine's _____, you divide the output force by the input force.
9. A _____ is a device with moving parts that work together to accomplish a task.
10. The pivot point of a lever is known as its _____.
11. The side of a lever where the input force is applied is the _____.
12. The pulling force in a rope is known as _____.

Section 4.3

13. _____ is the ratio of work output to work input and is usually expressed as a percent.
14. A process with less than 100% efficiency is _____.