

Simple Machines Vocabulary

Use your textbook pages 194 - 197 to find the vocabulary terms that fit the given definitions below. Then use your Flashcard app to create flashcards for these terms.

Machine 1. a mechanical device that is used to make work easier

Simple Machine 2. a device that has only one or two parts, but still makes work easier

Mechanical Advantage 3. the ratio of the output force to the input force which indicates how much the simple machine changes the force that is applied to it

Input Force 4. the force YOU apply to the machine

Output Force 5. the force exerted by the machine on the object to be moved

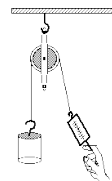
Ideal Mechanical Advantage 6. the mechanical advantage if no friction existed

Inclined Plane 7. a flat, sloped surface

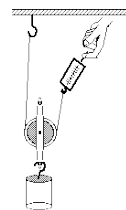
Ramp 8. another name for an inclined plane

Pulley 9. a simple machine that is a grooved wheel with a rope or cable wrapped around it

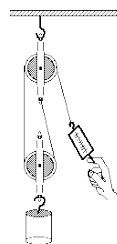
Fixed Pulley a pulley that is attached to an object that is not moving



Moveable Pulley 11. a pulley that is attached to the object that is being lifted



Pulley System 12. a combination of fixed and moveable pulleys that work together, sometimes called a “block and tackle”



| Word Choices |
|----------------------------|
| Fixed Pulley |
| Ideal Mechanical Advantage |
| Inclined Plane |
| Input Force |
| Machine |
| Mechanical Advantage |
| Moveable Pulley |
| Output Force |
| Pulley |
| Pulley System |
| Ramp |
| Simple Machine |