

Name _____

Unveiling the Marvels of Levers: A Look into How Simple Machines Work

Short Answer Key

1. The fulcrum in a lever is the fixed point or pivot on which the lever rotates. It acts as a support for the lever.
2. The lever arm on the input side is often longer than the lever arm on the output side, allowing you to exert less force to lift or move a heavy load.
3. An example of a lever in everyday life is a crowbar. When you apply force to one end (input), it lifts or moves a load (output) with less effort.
4. When using a lever's input side, you apply an input force, which can be pushing, pulling, or pressing down on the lever.
5. Levers make it easier to accomplish tasks involving heavy loads by providing a mechanical advantage, which means you need less force to move or lift a load.

