

Vocabulary: Pulleys



Vocabulary

- Effort – the force that is applied to a simple machine such as a pulley or lever.
- Load – the weight that is moved, lifted, or supported by a simple machine.
- Mechanical advantage – the factor by which a simple machine reduces the effort needed to lift an object.
 - For example, if a simple machine had a mechanical advantage of 2, it would take just over 50 newtons of effort to lift a 100-newton load.
- Pulley – a simple machine consisting of a wheel with a groove for a rope.
 - A *fixed* pulley is anchored to a single spot. It can rotate but does not move up or down.
 - A *moveable* pulley is free to move up and down.
- Pulley system – a group of two or more pulleys that work together to lift a load.