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Simple Machines

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| **Across****1.**  A wheel with a grooved rim in which a rope or cable can run.**5.** A system of a living body.**7.** A ramp that increases the load than can be raised by an effort force.**10.** Toothed wheels of different diameters linked together to change the speed or direction moved.**12.** A force applied to one part of a lever to move a load at another part.**13.** The distance from the fulcrum to the load force.**14.** The turning effect caused by a force on a rigid object around an axis or fulcrum.**15.** A double inclined plane that increases the applied or effort force. | **Down****2.** A push or pull on an object.**3.** A large diameter, rigid disk connected to a small-diameter rigid rod.**4.** A machine made of two or more simple machines.**6.** A support around which a lever can rotate or pivot.**8.** The distance from the fulcrum to the effort force.**9.** A rigid bar that can rotate freely around a fulcrum.**11.** An inclined plane wrapped around a central shaft that increases the applied or effort force. |