

The Science of Bicycles-Glossary

kinetic energy (*noun*): energy an object or particle has because it is moving

Synonym: energy in motion

magnify (*verb*): to enlarge in fact or appearance

Synonym: multiply, amplify, enhance

air resistance (*noun*): a force that opposes the motion of an object as it goes through the air

absorb (*verb*): to receive without giving back

Synonym: consume, take in

diameter (*noun*): a line segment through the center of a circle ending on the circumference

Synonym: distance across a circle

spokes (*noun*): small bars extending from the hub of a wheel to support the rim

gear (*noun*): a toothed wheel

overcome (*verb*): to gain an advantage or victory over

Synonym: take over, defeat, conquer

lever (*noun*): a stiff bar for applying force at one point by effort at a second point and turning on the fulcrum

Synonym: shovel, paddle, broom; tools with handles

ratio (*noun*): the comparison in quantity, amount or size between two or more things

Synonym: proportion, rate, scale

activated (*verb*): to make active

Synonym: turn on, set in motion, start

treads (*noun*): the ridges or grooves on a tire that make contact with the road