lever	a type of simple machine consisting of a rigid beam pivoting around fulcrum that is used to transmit force
mass	a measure of the amount of matter that an object contains; the unit of this within the SI system is the kilogram (kg)
metals	solid materials, typically hard, opaque, ductile, malleable and shiny; they feature good electrical and thermal conductivity
non-ferrous	a material containing no, or minimal iron
pearlite	a phase of carbon steel and cast iron consisting of ferrite and cementite formed into distinct layers (or lamellae) on slow cooling from austenite

polymer	a giant molecule based on carbon
pulley	consists of a wheel and an axle arranged by itself or in conjunction with others to operate as a simple machine
scalar	any measure that has a magnitude only
screw	a form of simple machine used to translate rotary motion into linear motion
steel	an alloy of iron and up to 2% carbon, often with additions of other alloying elements such as manganese, silicon, chromium, nickel and molybdenum

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stiffness	the resistance of an elastic body to deflation by an applied force
thermoplastic	a polymer that can be softened by heating
thermoset	a polymer that can be set by heating but cannot be softened by reheating
timber	an organic material consisting of thin-walled tubes made of cellulose; the cellulose 'tubes' are bound together with a weak glue called lignin
toughness	the ability of material to resist the propagation of cracks; it is often identified as the area under a stress-strain graph

## vector

## any measure that has a magnitude and direction