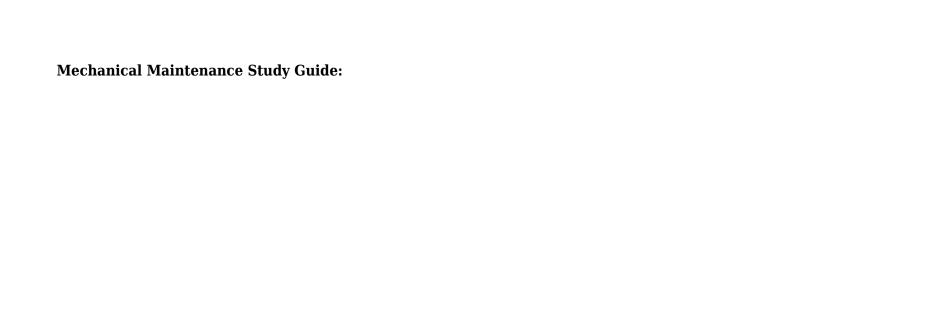
ASVAB Mechanical Comprehension

force - ANS mass × acceleration vector quantities - ANS forces that has both size and direction equilibrium - ANS a stable situation in which forces cancel one another velocity - ANS the speed and direction of a moving object acceleration - ANS the rate at which velocity changes pressure - ANS force (in pounds) + area (in inches) work - ANS force × distance tension is measured in - ANS pounds-force or newtons work is measured in - ANS foot-pounds power - ANS work + time power is measured in - ANS horsepower (hp) 1 horsepower - ANS 33,000 foot-pounds per minute or 550 foot-pounds per second mechanical advantage - ANS when a machine multiplies the force you use mechanical advantage - ANS resistance + effort = output force + input force fulcrum - ANS point of support to reduce resistance and multiply the effect of effort resistance arm - ANS the part of a lever that applies a force on an object

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