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## Ch-4 Simple machines

- (1) Ans - work is said to be done when a force moves an object three through a distance in its own direction.
- (2) The ability or capacity to do work is called energy.
- (3) A machine is a device that allows us to do work with less effort.
- (4) The work output of a machine is equal to the work input.
- (5) Ans - (1) changing the direction of applied force.  
(2) changing the magnitude of applied force.