

Ch-4

1) When is work said to be done by a force?

Ans Work is said to be done when a force moves an ^{object} through a distance in its own direction.

2) What is energy?

Ans The capacity of doing work is called energy.

3) What do you understand by a force machine?

Ans A machine is a device that allows us to do work with less effort. Machine make our work easier to do

ne by a

machine have made our lives comfortable and faster

when distance

4) What is the principle on which a machine works?

Ans- Principle of machine - The work output of machine is equal to work input.

5) State two functions of a machine.

force

Ans- * It changes the direction of effort in a ^{convenient} ~~convenient~~ direction.

law

* It increases the distance moved by the load.