

Civ  
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CH-4

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## B Short / Long Answer Questions

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 → A body capable of doing work is said to possess energy. It is called energy.

3. What do you understand by a machine?

A machine is a device which helps us to do work more easily by applying less force and spending less energy. It is called machine.

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

Ans: The work output of a machine is equal to the work input. All machine is ~~equal~~ work on the principle that when the effort is smaller than the load, it has to move a greater distance in order to achieve the same work.

5. State two functions of a machine?

Ans: (1) It increases the distance moved by the load.

(2) It changes the direction of effort in a convenient direction.