

H.W
31-08-2021 Ch-4 - Simple Machines

HOMEWORK

Exercise - B - 1, 2, 3, 4, 5

B. Short / Long Answer questions.

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

Ans - Work is said to be done if that force applied on it moves the body.

2. What is energy?

Ans - The ability to do work is energy.

3. What do you understand by a machine?

Ans - A machine is a device

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which helps us to do work more easily by applying less force and spending less energy.

Q. What is the principle on which the machine works?

Ans - The principle on which machine works:

- When energy is supplied to it, it does some useful work. To do work on a machine force is applied. That force is effort (E). As a result of this force, the machine lifts or moves an object called the load (L) in order to do work. So this is the principle.

5. State two functions of a machine?

Ans- Two functions of a machine are :

1. It decreases the magnitude of the force required, i.e. the effort is less than the load.

2. It increases the distance moved by the load.

