

1.) Work is said to be done only when a body changes its position or moves on applying a force on it

2.) Work is said to be done if the force applied on the body to moves it. if no motion takes place, no work is said to be done.

3.) The two condition when no work is done by force are \Rightarrow

* When the angle of displacement and force applied is 90° and the force applied is perpendicular to the displacement

- 4.)
- a) The boy pushing a heavy rock
 - b) A boy climbing up the stairs
 - c) A girl moving on road

5.) A coolie carrying a luggage on his head moving on ground does no work against is normal to the direction of force of gravity.

6.) We define work done by force on a body

Work done = Force \times distance moved in
the direction of force

7.) The S.I unit of force is Newton (N)
The S.I unit of distance is metre (m)
So, the S.I unit of work is (Nm)

8.) When work is done on a body, its energy
increases on the other hand the work
done by body is stored in it in the form
of energy.