

potential energy

Suppose, a body is raised to a certain

height called  $h$ , its velocity is '0' kinetic

energy will be '0' but the body can't  
have potential energy.

$$P.E = mgh$$

So, yes a body possess energy even  
when it is not in motion

Q16 (i) Kinetic

(ii) potential energy

(iii) Potential energy

(iv) Kinetic energy

(v) Kinetic energy

(vi) Potential energy

(vii) Potential energy

17 An apple hanging on a tree has the potential energy due to its raised position. When the apple falls from the tree. The falling apple has the kinetic energy. Thus the potential energy stored in the apple in its raised position changes into the kinetic energy when the apple is falling.

This kinetic energy does work on stone as the apple strikes the stone and it makes the stone move into the ground.