

14 Name the form of energy which a wound up watch spring possesses.

Ans Potential energy

15 Can a body possess energy even when it is not in motion? Explain your answer with an example.

Ans Yes, When a body not in motion possess energy.

EX - Water stored in a dam though not in motion possess potential energy.

16 Name the type of energy

(Potential or kinetic) possessed by the following :

i A moving cricket ball -
kinetic energy

ii A stone at rest on the top
of a building - Potential energy

iii A compressed spring - Potential
energy.

iv A moving bus - kinetic energy

v A bullet fired from a gun -
kinetic energy

vi Water flowing in a river -

Potential energy

vii A stretched rubber band -

Potential energy

17 Give one example to show the conversion of potential energy to kinetic energy when put in use.

Ans A hammer at a height has the potential energy due to its lifted position. When the hammer is dropped from that

Position, it begins to fall.

The falling hammer has kinetic energy.