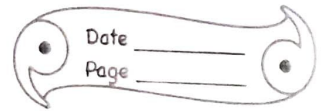


Ans  
13/7/2021

ch-3

## Energy



### (B) Short / Long Answer Questions

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

Ans - Potential energy is the form of energy which wound up a watch spring possesses.

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

Ans - Potential energy is the energy ~~which~~ ~~posses~~ even when it is not in motion. For ex - A compressed spring.

(16) Name the type of energy (Kinetic or potential) 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, Kinetic 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 wound up watch spring has potential energy because of its wound up state. As the spring unwinds itself, the potential energy changes into kinetic energy. This kinetic energy does work in moving the arms of the watch.