

13/09/21
HW

HOME ASSIGNMENT

① Name the form of energy stored in a wound up spring of a watch.

Ans → Potential energy is stored in a wound up spring of a watch.

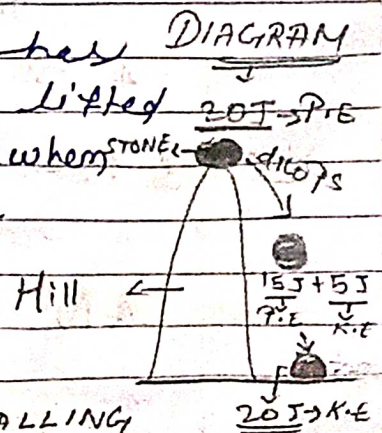
② Name the type of energy (kinetic or potential) possessed by the following a moving cricket ball.

Ans → Kinetic energy is possessed by a moving cricket ball.

③ Give an example to show the conversion of potential energy to kinetic energy when put in use.

Ex -

Ans → A stone at a height has potential energy to its lifted or raised position and when the stone falls down from the height, the potential energy gets converted to kinetic energy.



STONE FALLING FROM A HILL

④ State the ~~energ~~ energy changes that occur in a watch spring while unwinds.

Ans → When a watch spring while ~~is~~ unwinds → Potential Energy (~~CE~~ P.E) get converted to kinetic energy (K.E).

⑤ State the energy changes in the following -

* An electric bulb -

Ans → Electrical energy to Light energy.

* An electric oven -

Ans → Electrical energy to heat energy.

* A Loudspeaker

Ans → Electrical energy to sound energy.

* Microphone - Sound energy to electrical energy.

* Electric motor - Electrical energy to mechanical energy.