

HOME ASSIGNMENT

ENERGY

- (1) Name the form of energy 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.
- (3) Give an example to show the conversion of potential energy to kinetic energy when put in use.
- (4) State the energy changes that occur in a watch spring while it unwinds.
- (5) State the energy changes in the following:
 - (i) An electric

Answers

(1) ans:- A wound up watch spring has potential energy. As the spring unwinds itself, the potential energy changes into the kinetic energy.

(2) ans:- Kinetic energy

(3) ans:- A stone at a height has the potential energy due to its lifted or raised position.

(4) ans:- A wound up watch spring has potential energy stored in it, because it is wound up. The spring unwinds itself, the potential energy changes into kinetic energy with which it moves the hand of the watch.