

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

Ans- A wound up watch spring possesses potential energy.

15. Can a body possess energy when it is in motion? Explain your answer with an example.

Ans - A body when it is in motion possesses kinetic energy. Ex. - A fast moving stone has the capacity of ~~be~~ breaking a window pane when it strikes pane. Thus, a moving stone has kinetic energy.

16. Name the type of energy (kinetic or potential) ~~energy~~ 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 ~~stretch~~ 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 stretched bow has potential energy because of its stretched position. When the stretched bow is released, the potential energy of the bow changes into kinetic energy. This kinetic energy does work on the arrow and makes the arrow move.