

Energy

classmate

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Q/A

14. > A wound up watch spring has potential energy. As the spring unwinds itself, the potential energy converts into kinetic energy. The kinetic energy works in moving the hands of the clock.

15. > Suppose a body is raised to a certain height called h , its velocity is 0. Kinetic energy will be 0, but the body has potential energy.

$$P.E. = mgh$$

A body can possess energy even when not in motion

- i. > Kinetic energy
- ii. > Potential energy
- iii. > Potential energy
- iv. > Kinetic energy
- v. > Kinetic energy
- vi. > Potential energy
- vii. > Potential energy.

17. > An apple hanging on the tree has potential energy due to its rest position. When the apple falls from the tree it has kinetic energy. Thus, in this way when the apple was hanging on the tree ~~energy~~ potential energy was stored in and when it fell off the tree it converted into kinetic energy.