PHYSICS

1. Name the energy stored in a wound up spring of watch.
Sol: The energy stored in a wound up spring of watch's name is potential energy.
2. Name the type of energy (Kinetic or potential) possessed by the following A moving cricket ball.
Sol: Kinetic energy
3. Give an example to show the conversion of potential energy into kinetic energy when put in use.
Sol: An apple when is hanging in a tree due to its raised position has potential energy but when it falls down, it has kinetic energy.
4. State the energy changes that occur in a watch spring while it unwinds.
Sol: 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 hands of the watch.
5. State the energy changes in the following.
An electric bulb.
An electric oven.
A loudspeaker.
A microphone.
An electric motor.

Sol: An electric Bulb - Electrical energy to light energy.
An electric oven - Electrical energy to heat energy.
A loudspeaker - Electrical energy to sound energy.

A microphone - Sound energy to electrical energy.