

Physics 1114 - General Physics I

Quiz #14 - 2012.09.26

Solutions

1. State the Principle of Conservation of Energy.

The Principle of Conservation of Energy states that the total energy in any isolated system is constant, thus energy can be neither created nor destroyed in an isolated system, just transformed.

2. How is work defined?

Work is simply defined as the product of the magnitude of a force applied to an object in the direction of motion by the total displacement.