

Physics 1114 - General Physics I

Quiz #9 - 2012.06.20

Solutions

1. State the Law of Conservation of Energy.

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 the force applied to an object in the direction it is traveling by the total distance traveled.