

# Physics 1114 - General Physics I

Quiz #24 - 2012.10.24

## Solutions

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1. What is the difference between elastic and plastic deformation?

Elastic deformation is a reversible deformation of an object, such as a spring. Plastic deformation is when an object undergoes a deformation that is not reversible, such as when you stretch a spring beyond a certain length, it will not return to its original state.

2. What makes simple harmonic motion different from harmonic motion?

In simple harmonic motion, the action of the restoring force acting on an object is directly proportional to the displacement from equilibrium of the object.