

Physics 1114 - General Physics I

Quiz #11 - 2012.06.25

Solutions

1. What is the difference between an elastic collision and an inelastic collision?

If kinetic energy is conserved, the collision is defined to be elastic, else if total kinetic energy is changed with the collision, it is defined to be inelastic.

2. Give an example of both an elastic and inelastic collision.

Answers will vary, but as an example – atomic collisions are elastic, while a ball bouncing off the ground is inelastic.