1. Kinetic Energy = = 16.0J
2. Gravitational Potential Energy at Z = 1.5(10)(0.5) = 7.50J

Kinetic Energy at Z = J = 8.50J [Both for 1m]

Speed of ball at Z = = 5.83m/s [1]

1. Gravitational potential energy to Kinetic energy to Gravitational potential and kinetic energy