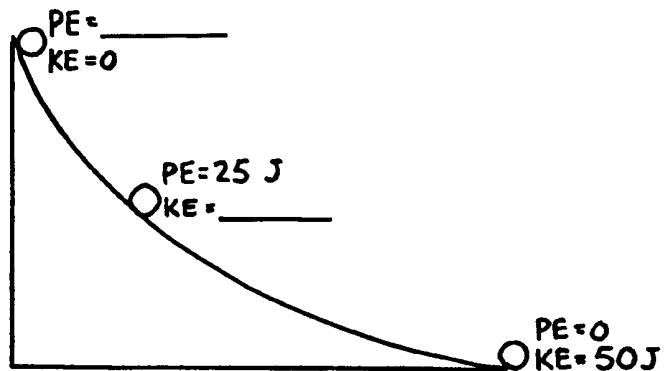
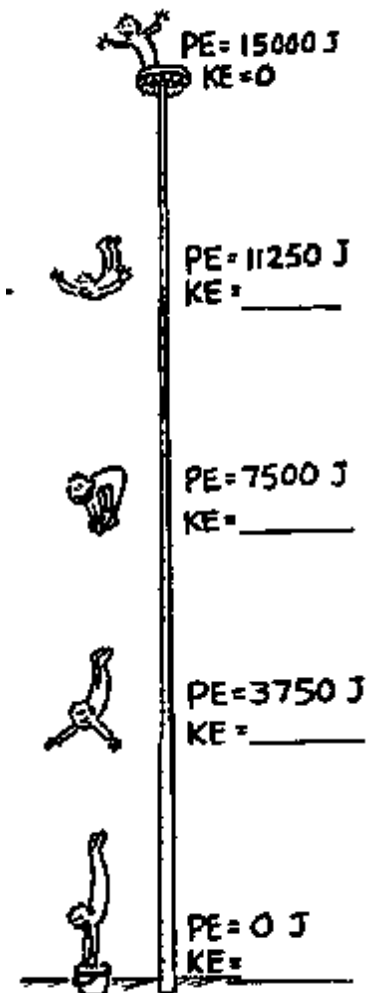


POTENTIAL ENERGY

1. Your 1500 kg car is being serviced and is on the elevated platform 5.3 m above your head. What is the gravitational potential energy of your car?
2. A ball has a 26.32 J of gravitational potential energy while it is 5.6 m in the air. What is the mass of the ball?
3. A 2.18 kg textbook is placed on a shelf. The textbook now has a potential energy of 42.73 J. How high is the shelf?

Apply the Law of Conservation of Energy to the situations below. Provide the missing values in the figures. Ignore resistance/drag.



ENERGY

Name _____ Date _____ Block _____

Potential Energy

Kinetic Energy

