

Energy

What is Energy? _____

Types of Energy

- electrical
- atomic
- kinetic
-
-

Gravitational Potential Energy

• Gravitational Potential Energy is the _____ that gravity _____ or has the _____

Equation

m =
g =
h =



unit:

Ex. 1

Pierre, the French-Canadian duck is about to go skydiving from 4200 m (14,000 ft). If Pierre has a mass of 2.0 kg, what is his Potential Energy?

Ex. 2

Sherlock Holmes is preparing to pull off a clever stunt from St. Bart's Hospital, which is 22 m tall. If Sherlock has a mass of 78 kg, how much PE does he have?

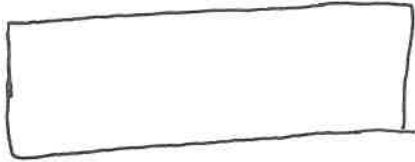
Kinetic Energy

- A change in _____ will also mean a change in _____.

Equation

$m =$

$v =$



Ex. 3

Gomer the Hamster has a tiny mass of 4.0 grams. He rolls across Mr. McQueary's carpet at 3.0 m/s. How much Kinetic Energy does Gomer have?

EX.4

Barry Allen, the fastest man alive, travels 1132 m/s in a full sprint and then slows down to 4.5 m/s to blend into Central City. If Barry's mass is 75 kg, how much Kinetic Energy did he lose on his slowdown?