From last time

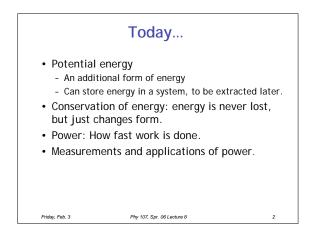
- Work = Force x Distance
- Energy = an object's ability to do work
- Kinetic energy of motion: *E_{kinetic}=(1/2)mv²*
- Work energy relation: Change in kinetic energy of a single object
 enet work done on it by all forces.
- Many types of energy, e.g.

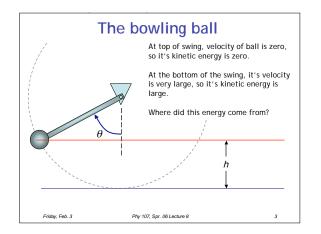
Exam 1: Wednesday, Review Monday,

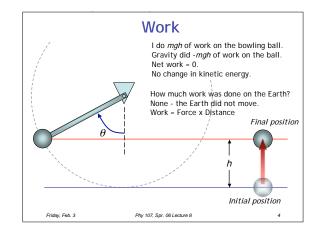
Scantron with 20 questions, bring #2 pencil

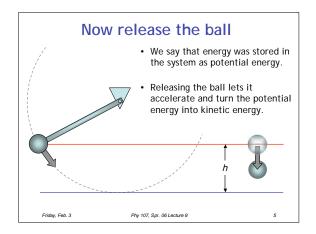
Chapters 1 and 3-6

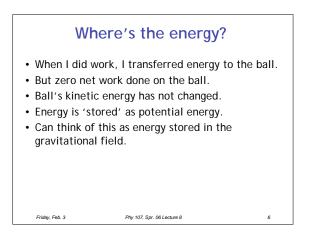
1 Page, front only, equation sheet allowed

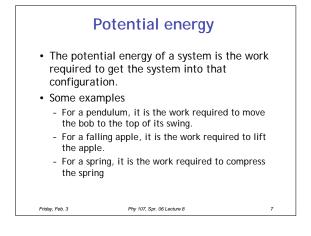








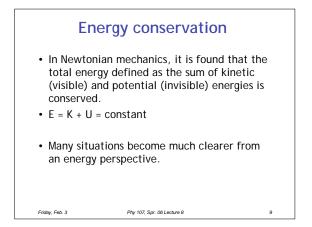


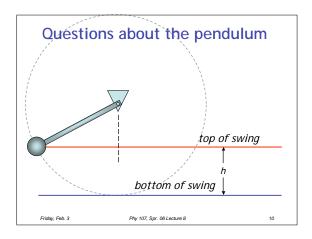


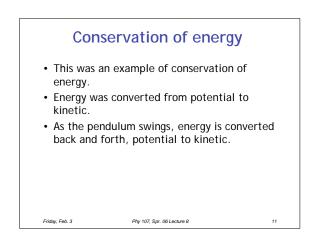


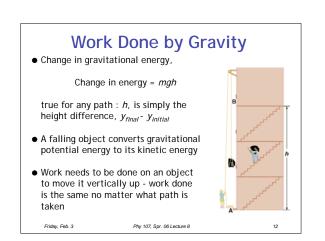
Friday, Feb. 3

Phy 107, Spr. 06 Lecture 8









Water tower and pumphouse

electricity cost is low

potential energy.

Water is pumped into tower when

Electrical energy transformed into

Work is extracted when needed to

transport the water to homes.

