9-4: Energy Conversion \& Conservation
I. Conversions between energy forms

1) Flashlight -
2) Match -
3) Marble

Down Ruler
I. Conservation of Energ
A.
B. Energy $x$ Friction

- Moving objects experience so some of the KE will be turned into
C. Kinetic \& Potential Energy
- A common change of energy
- A falling Ball

- Pendulum

Lowest


Eq. 9-8 Total Energy

Total Energy =

Prob. 1) Calculate the TE, GPE, KE, DE at each of the 5 points.


Prob. 2) Calc. GPE, KE, TE, and DE at points 1 and 2


How much DE was there between points 1 and 2?
What was this cause of this Dissipated Energy?

