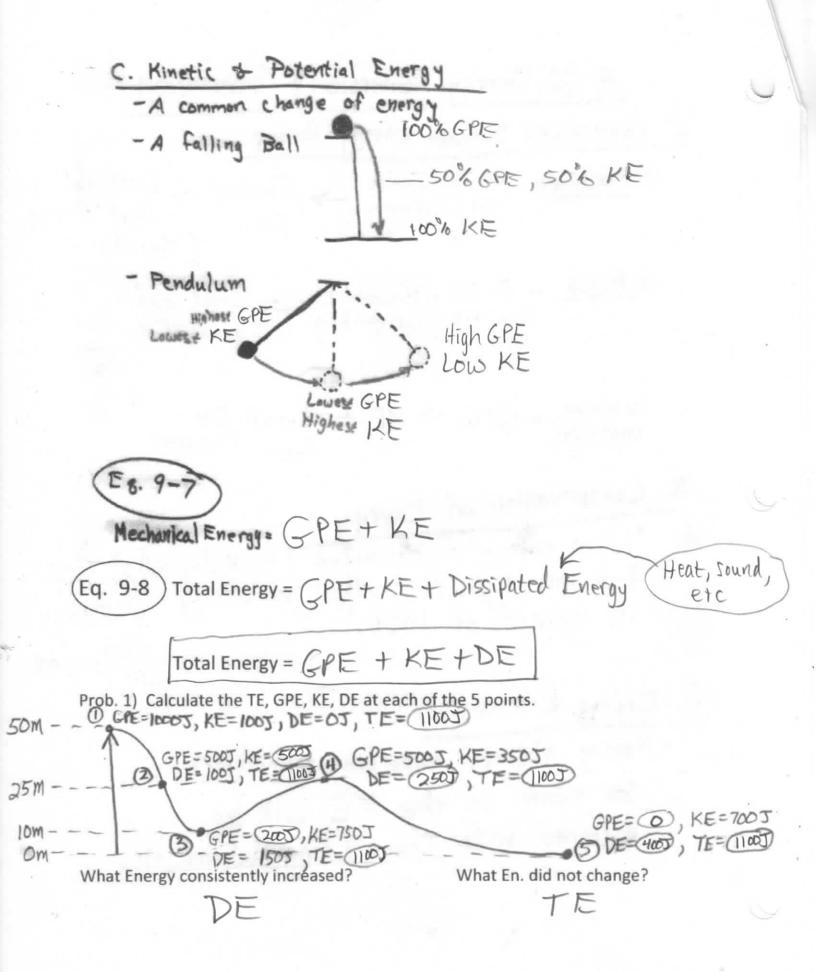
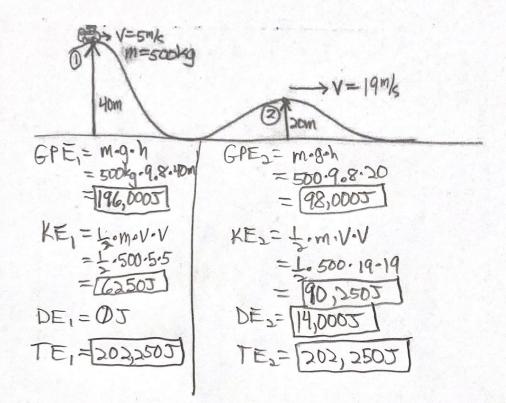
9-4: Energy Conversion & Conservation
I. Conversions between energy forms
1) Fleshlight - Chemical Energy
$$\rightarrow$$
 Electrical \rightarrow Light and
in batteries \rightarrow Electrical \rightarrow Light and
Heat Energy
(Thermal)
2) March - Ch. En + Mechanial En. \rightarrow Light and
I'm tip of striking Heat En.
3) Marble $-$ GPE \rightarrow KE + Thermal En.
Bown Ruler - GPE \rightarrow KE + Thermal En.
From friction
I. Conservation of Energy
A. "When energy is converted [trassformed] TE
from one type to another, no energy [Stays
Is gained or lost."
B. Energy & Friction
- Moving objects experience Friction
So some of the KE will be
turned into Thermal Energy, Sound, etc.



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



How much DE was there between points 1 and 2? 14_00000 What was this cause of this Dissipated Energy? Friction