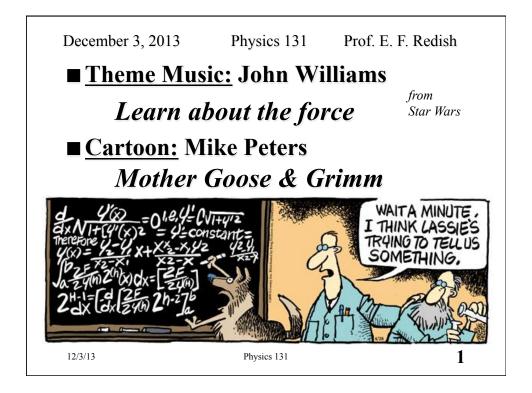
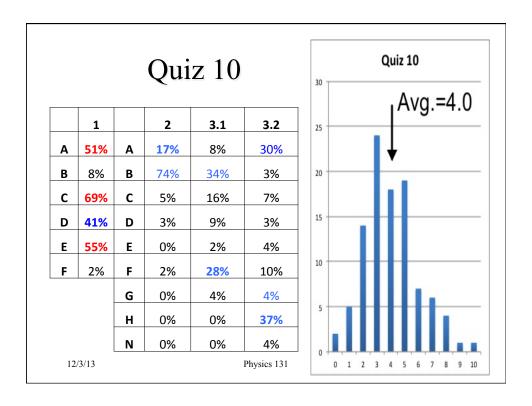
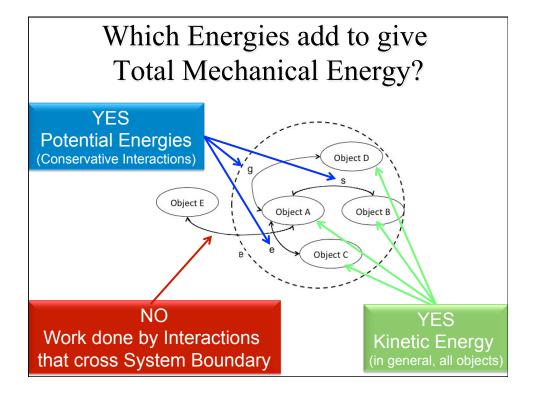
Phys 131 12/3/13





Prof. E. F. Redish

Phys 131 12/3/13



Using Mechanical Energy Conservation

■ If resistive forces can be ignored, mechanical energy is conserved (exchanges with hidden internal energy such as thermal or chemical can be ignored)

$$KE_i + PE_i = KE_f + PE_f$$

- *KE* may refer to one or more objects *PE* may refer to one or more interactions.
- If only one object's KE is important and only one interaction matters, this can make things really easy.

12/3/13 Physics 131 **5**

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