## **Physics**

Chapter 10: Work and Energy

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- Work w=fxd cosθ
- o Kinetic energy KE=1/2 m x v<sup>2</sup>
- Mechanical energy = KE + PE
- For moving objects W=ΔKE
- o Power P=W/t
- Mechanical Advantage MA= F<sub>r</sub>/F<sub>e</sub>
- o Ideal Mechanical Advantage IMA= D<sub>e</sub>/D<sub>r</sub>
- o Efficiency e=W<sub>o</sub>/W<sub>i</sub> x100 or e=MA/IMA x 100

Journal W
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	Define the <b>vocabulary terms</b> from the chapter in your journal. Read each section and answer select <b>Section Review</b> questions in the chapter (#1-31) odds in your journal. Self-check answers with key in back of book.
	Answer select <b>Assessment</b> questions as needed to review and prepare for exam (#35-87).
Classro	om Work
	Rube Goldberg Machine
	Exam
	Turn in completed <b>iournal</b> and classwork with completed exam.

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## **Journal Work**

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