Name: <b>HW Unit 8:</b>	1 — Guided Reading	B-day: Due Thurs., 2/15 (Assig: 2/13)	
PPHOO:	Murray, IPC nenmurray.com	C A-day: Due Fri., 2/16 (Assig: 2/14)	
Find the chapter on Work and Energy  1. Give the formula for work:  2. What are the units for work?  3. (Looking on the side). Work is how forces transfer e	on the object. (Si	shes on a 2 kg object for 10 m, find the work done how your work.)	
<ul><li>4. If you push on something and it doesn't move, did you do w</li><li>5. Why?</li></ul>	was transferred t		
6. Why, then, do you get tired when pushing on an object that doesn't move (look on the side)?	9. Going up the star 10. What is your out 11. (From book) Doo stairs?	ok (from "Simple Machines"): irs what is your input distance? put force? es the work change if you run or walk up the ge depending on how fast you go up the stairs?	
13. How fast you do work is called p	18. Which motor did 1	HW Unit 8:1	
14. Give the equation for power:	19. Which motor was		
15. What are the units for power?		20. So, true or false: A more powerful motor can do more work?	
16. Motor A does 24 J of work in 12 seconds, how much power it use? ( <i>Show work.</i> )	r did 21. Why?		
17. Motor B does 24 J of work in 6 seconds, how much power ouse?	Calculate the kinet	tinetic energy and $E_k = (1/2)mv^2$ . tic energy of a 2 kg object going 3m/s. v times v.)	