Work	Name_
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	lass

What is Work? (continued)

2. Complete the following table by classifying each example as either work or no work.

Work	
Example	Work or No Work?
You pull your books out of your book bag.	
You lift a bin of newspapers.	
You push on a car stuck in the snow,	
You hold a heavy piece of wood in place.	
You pull a sled through the snow.	
You hold a bag of groceries.	
 In order for you to do work on an object, the object must move some as a result of your force. 	ne object must move some our force.
4. Explain why you don't do any work when you carry an object at a constant velocity.	you carry an object at a
5. When you pull a suitcase with wheels, why does only part of your force do work?	does only part of your force
	=

12. Is the following sentence true or false? You have greater power when you run up a flight of stairs than when you walk up the stairs.

14. Rewrite the equation for power in a way that shows what work equals.

13. What is the formula you use to calculate power?

Power

11. What is power?

Work and Machines • Guided Reading and Study Calculating Work 6. The amount of work you do depends on both the amount of you exert and the the object moves. 7. Is the following sentence true or false? Lifting a heavier object demands greater force than lifting a lighter object. 8. What formula do you use to determine the amount of work done on an object? 9. What is the SI unit of work? 10. What is the amount of work you do when you exert a force of 1 newton