	Ohio	ootiyo(c)	Buton	
Main Ideas, Key Points, Questions: fter watching the video segment, write fown key points, main ideas, and big uestions.	Unders of pow Calcula work is	stand the influence of er exerted. ate the amount of powers s done on an object o	work, energy change, and time on the am wer exerted by determining the rate at whi r energy is converted by an object.	ount ich
	Note	es: Durin or dra	g the video segment, use words, phrases, wings to take notes.	

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Unit 4I_Notes and Questions

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PHYSICS INMOTION gpb.org/physics-motion	Unit 4I Power <i>Questions to Consider</i>	Name: Date:			
Questions to consider:					
1. Define power in your own words.					

- 2. Power is measured in what unit? What base units make up this unit?
- 3. In what unit is power measured in the United States? How is this unit relative to the unit discussed in the previous question?
- 4. What is the equation for power in terms of work and time?
- 5. What is an equation for power in terms of force and velocity?
- 6. If the amount of work done remains constant but occurs over less time, how does this affect the amount of power exerted? Explain.
- 7. If the force applied to an object remains constant, is more power needed for the object to move faster? Explain.
- 8. Explain how a 45 and 60 watt bulb differ in terms of energy output.

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