

PHYSLETS ANSWER SHEET

ES1A6

Energy / Set 1 / Animation 6

Name	e Class	
<show< th=""><th>v all work on calculations. Include proper units. Explanations require complete sentences.></th><th></th></show<>	v all work on calculations. Include proper units. Explanations require complete sentences.>	
1)	Calculate the force needed to pull the box up the hill.	
2)	Calculate the work on the box to bring it up the hill.	N
3)	Calculate the power needed to move the box up the hill.	J
4)	If the box were released from its position at the top of the hill, how fast would it e	W end up moving?
5)	Which of the following is true: A) The box exerts more force on the truck than the truck exerts back on the box. B) The truck exerts more force on the box than the box exerts back on the truck. C) The truck and the box exert equal amounts of force on each other.	m/s