

PHYSLETS ANSWER SHEET

ES1A4

Energy / Set 1 / Animation 4

Nam	e				Class		
<shov< th=""><th>w all work on calculat</th><th>ions. Include</th><th>proper units. Explanati</th><th>ions require comp</th><th>elete sentences.></th><th></th></shov<>	w all work on calculat	ions. Include	proper units. Explanati	ions require comp	elete sentences.>		
1)	Calculate the ki	Calculate the kinetic energy of each vehicle.					
C	orvette:	J	Honda	J	Pickup Truck	J	
2)	Express the rela	ative kinetic	energy of each veh	icle as a ratio;	(i.e. Corvette : Honda	: Pickup)	
3) will s	If the force of f		een the tires and the	e road is the sa	me for each vehicle, w	hich vehicle	
	Explain:				-		
4) whic	If the kinetic co			e tires and the	road is the same for each	ch vehicle,	
	Explain:						
5)	How much bral	king force w	ould be required to	stop the picku	p truck in 12.0 m?		
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