Name: HV Period:	V Unit 7:5 — Simple Machines Mr. Murray, IPC cstephenmurray.com	Assigned: Mon., 2/5 and Tues., 2/6 Due: Wed., 2/7 and Thurs., 2/8	
1) Name the six simple machines.	7) To multiply your force do you v8) Why?	vant a long or short ramp?	
	9) How do simple machines multip	bly force?	
2) What two simple machines are scissors?		the second second days the second	
3) What simple machine is a flight of stairs?	the simple machine?	10)When you use a simple machine, do you use more or less work than without the simple machine?	
4) What kind of simple machine is a screwdriver w used to pry open a can of paint?	when it is 11)What is always your output force	e when using a simple machine?	
	12)Input or Output?		
5) Is an electric motor a simple machine?6) Why or why not?	 A) With the simple machine? B) Without the simple machine? C) Pushing up an incline plan 	ne? E) How much force you push	
		HW Unit7:5	
13) If you are lifting a 3 kg object, what is your out		e balanced or unbalanced forces on it?	
14) If you are lifting a 40 N object, what is your F_{ou}	"?		
15) If you lift a 20 N object straight up and then with which case is your output force greater?	th a ramp, in 19)Which changes in space 20)Why?	e: weight or mass?	
16)In which of the above is the input force greater?	21)Find the acceleration of	the following object.	
17)Label your input distance (D_E) and output distance	ace (D _R).		
3 m		20N 4kg ^{8N}	