

DAY 3- R2-D2 STAAR Wars : 5 th grade Science Review				
Force, Motion, and Energy- 5.6A(R), 5.6B(R), 5.6D(S) Name				
7. Which object in the chart below is most likely a lamp?			10. The picture below is a light switch.	
OBJECT USES PRODUCES		PRODUCES		
1	Electric Energy	Sound Energy		
2	Light Energy	Mechanical Energy		
3 Electrical Energy		Light Energy	When the light switch is in the ON position,	
4	Solar Energy	Heat Energy	lights in a classroom will come on. This happens because	
Obje	ect 1 🕒	Object 4	(F) the switch opens the circuit allowing electricity to flow through.	
Obje	ect 3	Object 2	G the switch closes the circuit allowing electricity to flow through.	
 8. Robbie uses a pulley and a spring scale to lift up an object with a mass of 10 grams. Robbie repeats this process except changes the mass of the object to 30 grams, and then 50 grams. Which question is this investigation most likely designed to answer? 			H the switch creates a better conductor of electricity.	
			the switch creates sound energy allowing electricity to flow through.	
			11. An acoustic guitar has strings and a soundhole. How does the acoustic guitar work to create sound?	
How do different masses affect spring scales?			Vibrations from the string creates sound.	
G How does the mass of an object affect the amount of force needed to lift it?			B The position of the guitar creates sound.	
How does a spring scale react with a pulley?			C Electrical energy creates the sound.	
			D The soundhole alone produces sound.	
			12. A group of students want to know if the surface	
9. Julie is using a campfire to roast marshmallows. The campfire produces-			of a ramp will have an effect on the distance traveled by a toy car. Which variable should the students change to get a fair test?	
lectrical and heat energy.		nergy.		
B sou	ound and solar energy.		F The height of the ramp ramp ramp	
C hea			The force they use to The toy car	
D lig			push the car down the ramp	
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