Name	Date Period	
Bill Nye Energy Video Worksheet	https://www.youtube.com/watch?v=8qmSzMwTkpk	
1. When we do something we are using	·	
2. Energy can be from one form to another.		
3. When energy is stored we call it	energy.	
4. When energy is moving we call it	energy.	
5. Lifting the tank of water gave it	energy.	
6. This energy was converted into	energy as the water flowed down the tube.	
7. Water was then used to power the generator ch	anging kinetic energy into energy.	
8. The baking soda plus vinegar caused a	reaction.	
9. The energy from the reaction was converted into bottle.	o energy that caused the cork to pop off the	
10. In the bowling ball demonstration, we pull the bowling ball back and give it energy.		
11. When we release the bowling ball we give it energy.		
12. Complete the table.		
Three things that can generate electrical enerare	rgy Three other forms that electrical energy can be turned into are	
1.	1.	
2.	2.	
3.	3.	
13. What is the form of energy that batteries store energy as?		
14. A laser converts energy into molecules vibrate.	energy by making	
15. The energy we get from foods began asenergy from the sun.		
16. Whenever energy is converted from one form to another a little bit of it ends up as		
17. Why can't kinetic energy ever be greater than potential energy?		

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	s://www.youtube.com/watch?v	v=8qmSzMwTkpk
18. Why do you get warm when you exercise?		
QUESTIONS FOR AFTER THE VIDEO:		
19. Why didn't the bowling ball pendulum hit Bill Nye in		
20. With the information you learned from the video in mind, how do WE get OUR energy (there's more than ONE way)? Explain how that energy converts itself from POTENTIAL to KINETIC energy.		
Classify the following as a type of potential (P) energy	or <u>kinetic (K)</u> energy (use the letter	rs K or P)
21. A bicyclist pedaling up a hill	26. A quarterback right BEFORE	he throws the ball
22. A volleyball player spiking a ball	27. A baseball thrown to second	d base
23. The chemical bonds in sugar	28. The wind blowing a plastic b	
24. Runners "on their marks" at the start line of a race	29. Sitting in the top of	a tree
25. A bowling ball rolling down the alley	30. A bowling ball sitting on the	rack
Below name or draw with labels YOUR OWN example	to <u>POTENTIAL</u> AND <u>KINETIC</u> ENERG	sy.
31. Example of POTENTIAL ENERGY:		
32. Example of KINETIC ENERGY:		